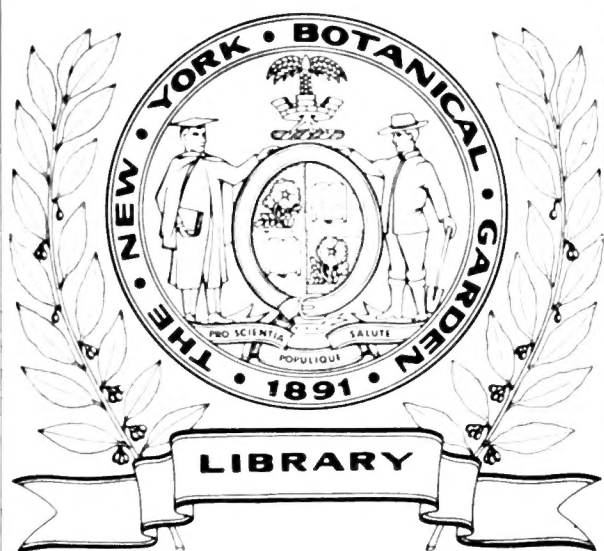


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HORTICULTURE

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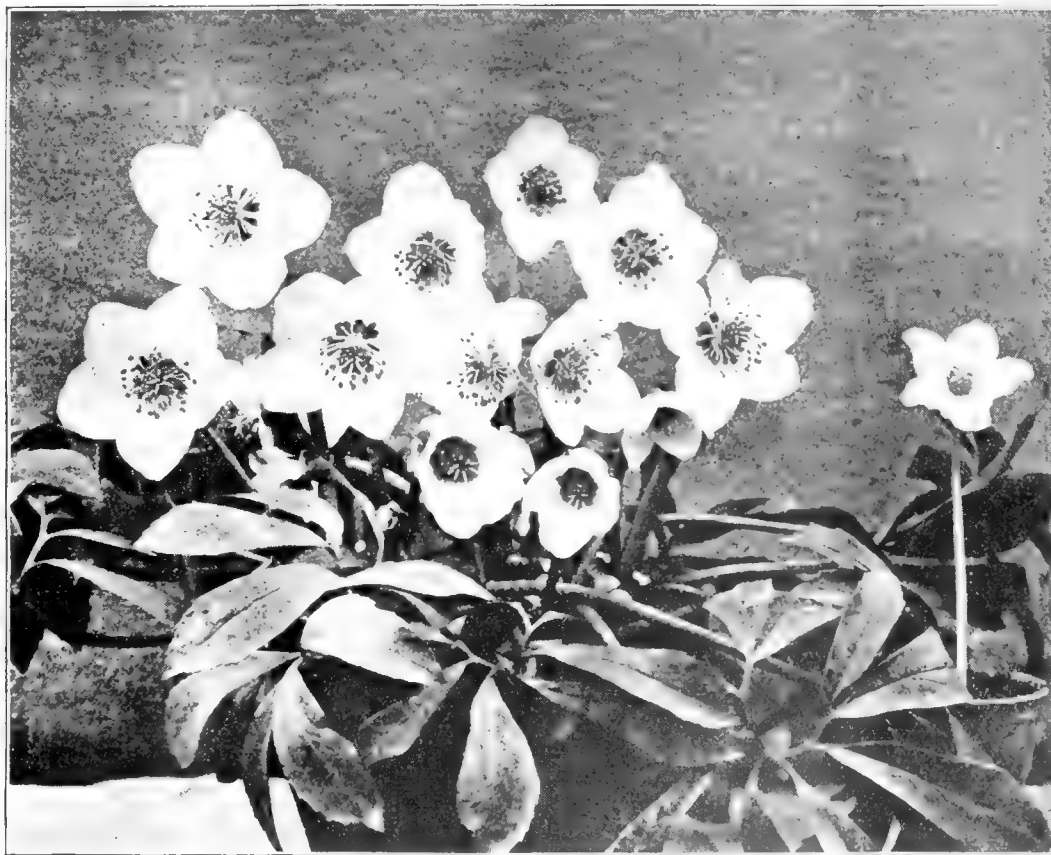
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JAN. 2
1915

HORTICULTURE



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NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil." *167.*

Care of Antirrhinums

Antirrhinums that were planted early in the season and have grown to be fine bushy plants with lots of bloom and buds showing will now want some feeding. There is nothing better for this than a top dressing of sheep manure, using a mulch of sheep manure and loam in equal parts. When applying these give the surface of the beds a coat of fine bone, but not heavy. This can be followed by the mulch, which should be placed about a quarter of an inch thick all over the beds. These light mulches applied about once a month will be better appreciated by the plants than heavy ones. Do not try to force these plants with too much heat. They throw better and finer spikes when given a temperature of from 48 to 50 at night, and 15 to 20 degrees higher with sunshine.

Ferns

Now when we are obliged to have a good deal of fire heat the ferns will need plenty of moisture to ward off dry air. Damp down the house three times a day and it will pay in the end. Be careful that no plants get a chance to dry out. During good weather give ventilation even if it is only for a short time. All ferns that are well pot bound will do better when given some stimulant in the way of weak liquid manure once or twice a week. Give abundant light and do not place on a heavy shade too soon. Of course, when the sun becomes strong, you will have to shade to keep them from losing their color.

Rambler Roses

Do not be too long in starting rambler roses intended for Easter. They should be brought into a little heat by the first week in January, which will give time to have them right for that date. Give the plants a clean up and cut out any dead or weak growths. To have ramblers on time for Easter they should be allowed ten weeks. The temperature at first should not be higher than 50 degrees at night until the roots begin to make some headway. Every morning give a good syringing to thoroughly dampen the wood. When they have made some top growth the temperature can be raised to 55 degrees and in two or three weeks more to 60 degrees. Great care in the matter of ventilation will be necessary so as to avoid mildew. Give careful attention to fumigation to keep down the green fly which is bound to make its appearance if not guarded against. Keep the atmosphere moderately humid all the time. Give them

a place where they can have full sun for it is necessary for the perfect development of these roses in every way.

Keep Propagating

Propagation to the fullest extent from now on and for months to come will hold the grower's interest and claim his unflagging attention. Look up all the stock plants. Some of them may be in undesirable quarters. These must have light, sun and air in order to furnish good cuttings. Let them have what they need and encourage the plants in every possible way to do their best. Besides geraniums and carnations, of which many thousands are already in the sand, there are numerous other good things, most important to the all-around plant grower, that should now be propagated, if good, fair-sized stock for spring trade is to be the issue. Foremost to be started are salvias, begonias, lemon verbenas, fuchsias, double petunias, lantanas, heliotropes and fancy scented and ivy-leaved geraniums. Any such things as Impatiens Sultani and hybrids, achyranthes, coleus, etc., can be propagated later, but where you are short of stock start now.

Tuberous Rooted Begonias

Very nearly every florist can use some of these fine flowering plants to advantage. They are well adapted for a good many summer and fall decorations and also show up well in the show house. It is best to sow the seed in pans. Mix up a light compost of loam, leaf mold and sand in equal parts, give ample drainage to keep the compost sweet, fill the pans to within half an inch of the top and press firmly. On top of this place a little finely sifted compost, press moderately firm, give a good soaking of water, let them stand until they have drained and then sow the seed evenly all over the surface and press in. There is no need of covering the seed. Cover these pans with a pane of glass and keep shaded until they start to come up when they should have full sun. Give the pans a position where they can have a temperature of about 60 at night.

Propagate Lobelia Kathleen Mallard

In order to well up a fine lot of this Lobelia propagating should start now. When they are rooted they can be placed in flats or potted. Give them a rich compost; that used for roses or carnations will do all right. Keep well up to the glass and in a light house. They do not like too much heat. A temperature of from 45 to 50 degrees at night will hold them in good condition.

Next Week:—Care of Amaryllis; Gloxinias; Orchids; Vines; Dracaena; Azaleas

BOOM YOUR BUSINESS
by advertising your goods in the
Horticulture

Publicity among the kind of readers reached
by this paper is THE SORT OF PUBLI-
CITY THAT PAYS.

ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur Rizicka

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Rizicka. Such communications should invariably be addressed to the office of HORTICULTURE.

Watering

With present weather conditions, the heat has to be put to the houses quite a good deal, and where all the heating pipes are under the benches, it will require careful work to see that the plants do not get too dry in places, or at the bottom of the benches. It often happens that the surface of the benches seems to be plenty wet enough, while the bottom is very dry. The roots are in the bottom of the benches, and with the heat that comes up from the pipes the water will evaporate very rapidly. If the plants are allowed to dry out this way, and remain so for any length of time, serious trouble may result. Water well during cold snaps—not too much but well. This means soak the soil until the water drips through the benches quite freely, leaving no dry spots. Before doing this it is well to go over the benches, and see that the places that are very dry are watered once, and then follow with the last thorough watering. If this were not done, these dry spots would shed water and the result would be that the plants would be dry almost immediately after. It is best not to allow these spots to form, and should there be any places where the soil dries out so fast that it is almost impossible to keep the plants wet, then apply a little manure to these places, with a little coarse sod in it if necessary, and this will keep them on the even with the rest of the bench.

Sand

Sand for propagation should be as clean as it is possible to get it, sharp, and not too coarse, or too fine either. To test the sand for cleanliness, take a handful of it and rub it between the hands. If the sand is clean your hands will remain clean. Should the sand carry a clay or mud, the hands will get a coat of it at once. Such sand is not as good for propagating as clean sand is, but if no other is to be had then it must do. A good soaking will remove a large quantity of the clay, especially if the propagating bench has perfect drainage. It will be well to water it heavily two or three times, leaving the water that runs through to carry away all clay and other sediment. If the water does not disappear rapidly, but remains standing on the surface of the sand there is something wrong with the drainage, and this defect should be remedied at once. It is very important to have perfect drainage, for without this a large portion of the cuttings are almost sure to fail in rooting. Before filling the benches for propagating, make sure that they are well cleaned, and all the old sand taken away. Clean out well under the benches too, for there will be a million fungi there at least, all waiting to get into the new sand to get busy. Whitewash the benches well, not forgetting to use a little copper sulphate in the lime. Sulphur will do nicely, too, but then it should be boiled into the lime when the latter is slaking.

Packing the Sand

As soon as the sand is brought into the benches, it should be leveled off to the proper depth, and watered well to settle and moisten it. After that it should be well packed, and there is no tool better for this than the good old-fashioned brick. It is better to use less force for the work and strike the sand oftener, for a big blow will loosen the sand in another place. Where the bottoms of the benches are made of slate, this is very apt to be broken by careless packing of the sand. An ordinary concrete tamper with the handle sawed off short would make an excellent tool for this work, but it is rather heavy, and the work gets pretty tiresome before the day goes by. In packing the sand, do not strike more than once in the same place, but start on one end of the bench and go all the way across and then go from side to side.

Care of Cuttings in Sand

As fast as the cuttings are made they should be put into the sand, for it will not do them any good to have them stay in water any length of time. As fast as they are cut they should be dropped into a pail of clean water, and then put into sand as soon as possible. Put them in straight rows across the bench, and about the same distance apart. In this way it will be easy to keep count of them, and there will be little guesswork as to the number in sand. A putty knife is about the handiest tool to use, with a narrow strip of wood with a handle in the center and a brick for firming. As soon as one row is in, all that is necessary to firm it is to hit the stick two or three times with the brick, and then make another cut in the sand with the knife on the other side of the stick. In this way the cuttings can be put into the sand very fast, and no time will be lost. As soon as a lot is in, they should be watered at once, after which they should only have water when it is necessary, and this will be every day for the first few days. Make sure that the house is shaded so that there will be no sun to hit the cuttings, and also that the vents are screened if necessary, to prevent draughts of air on the cuttings. Where the propagating is done in a cross-house it will be well to use cheesecloth all around the bench. Fasten it so that it can be lifted at any time. Run the temperature in the sand around 66 degrees F. and about 56 overhead—not warmer, rather a degree or two cooler. The idea of the low temperature overhead is to discourage the cuttings from making top growth, for if this came before the roots started, the latter would not start at all. In putting the cuttings in, make sure that all the leaves are made to point one way. This will make the work look much neater, and be of great advantage all the way around.

Helleborus

The Helleborus, or Christmas-rose, belonging to the order Ranunculaceae, possesses a charm of its own. It is the only winter-flowering garden perennial we have. As a genus comprising about a dozen species inhabiting the temperate zone of the eastern hemisphere one of its distinct characteristics consists of dark-green leathery, palmate or pedate foliage of extraordinary resistance and marked ornamentality. Likewise do the large flowers of greenish, yellow and purple shades arouse our interest. A world-wide distribution and a general popularity in American gardens, however, is enjoyed only by the well known *Helleborus niger*, producing flowers from two to three inches across. Their color, when grown under glass, is pure white; outdoors the petals appear frequently more or less rosy margined or suffused. Your correspondent had the opportunity last Christmas to admire several large specimens in full bloom in a Germantown (Pa.) garden. The beds and borders under the customary cover of leaves and manure indicated nature at rest, but the mild weather had induced the lightly protected clumps of *Helleborus niger* to send up through the covering a number of beautiful blossoms in rare perfection. At this time we are apt to be particularly appreciative, accepting them as a valuable gift and as evidence of the wonderful floral possibilities of the herbaceous garden.

Helleborus prefers a rich loamy soil, moist but well drained and thrives best in lightly shaded positions. Established plantations of Christmas roses along a path through wooded sections of park and home grounds flower most freely in March revealing the marvelous

resourcefulness of Nature in gratifying beauty-loving human eyes. We should use them oftener than we so far have done.

We know helleborus to be inclined to self-hybridization in a wild state of growth. Of the growers who have given their attention to crossing Christmas roses Froebel in Zurich, Switzerland, and Heineman, Erfurt, Germany, years ago were remarkably successful. I do not know at this writing how many garden varieties of very attractive pink, red, violet and purple shades, of their introductions, are still obtainable. In European gardens ten to fifteen years ago they were extensively cultivated in pots under glass. All could be brought to full bloom by Christmas and proved very popular. In America we have confined ourselves principally to the growing of the original white type of *Helleborus niger* depicted as a pot-plant by our cover illustration. I believe it to be remunerative for some of us to take up the growing of the best hybrids for pot sales at the Christmas holidays. The greenish flowering species such as *Helleborus caucasicus*, *foetidus*, *lividus*, *odoratus* and *viridus*, as well as the purplish kinds—*colchicus*, *purpurascens*, *olympicus* and *orientalis*, are of interest to botanists and collectors.

In the Middle Atlantic States the leaves from the trees above held on the ground between the plants by their evergreen foliage prove sufficient protection. The rigid northern winters, of course, call for heavier covering. *Helleborus* may be raised from seed which should be sown right after ripening, or propagated by division.

Glenside, Pa.

Richard Rothe

BRITISH HORTICULTURE.

Perpetual Flowering Carnation Show.

The Perpetual Flowering Carnation Society which is still "going strong," held its seventeenth show recently at the Royal Horticultural Hall, London. There was a falling off in the number of entries as compared with the previous year. A high standard of excellence was observable in the exhibits. C. Engelmann, who has come to the fore as the raiser of several prime favorites, secured the chief award in the class for three vases of American-raised novelties, winning the challenge cup given by the American Carnation Society. The blooms included *Enchantress Supreme*, *Gorgeous* and *Peerless*. Wells & Co. staged some fine specimens of *Champion*, a scarlet variety, whilst Allwood Bros. exhibited the pale pink *Enchantress Supreme*. The last named with some excellent samples of *Princess Dagmar* won the challenge cup offered by Patten & Co., of Tewksbury, Mass. Two new varieties received certificates of merit—*Delice*, a pink variety of the *Enchantress* type, shown by H. Dudley, and *Nova West*, salmon pink with petals of good substance, shown by Mr. West.

Honors for Horticulturists.

The new recipients of the Victoria Medal of Honor are Capt. W. Stackhouse, Mr. C. Pinwill, a Cornish amateur who is a collector of rare plants and liberal distributor of them; Mr. Joseph Cheal, Lowfield Nurseries, well known to many American and Canadian horticulturists; Mr. Whytock, gardener to the Duke of Buccleuch, and Mr. W. Cuthbertson, of

Messrs. Dobbie & Co., seedsmen, Edinburgh.

National Dahlia Society.

The annual meeting of this society was recently held in London. Notwithstanding the setback sustained this year owing to there being no autumn show at the Crystal Palace, the balance sheet showed a surplus. The following officers were elected: President, Reginald Cory; chairman of committees, J. Cheal; treasurer, John Green (Hobbies, Ltd.); honorary show superintendent, G. L. Castleton; secretary, J. B. Riding.

SEEDLING CHRYSANTHEMUMS VS. NAMED VARIETIES.

Editor HORTICULTURE:

I was interested in your notes on the comparative excellence of seedling single early chrysanthemums and the varieties introduced under name. I cannot quite agree with your editorial wherein you said that as good varieties could be grown from seed as could be found among the expensive named varieties. Of course, all the existing named varieties were procured from seed—possibly a few from sports and as the hybridizing of single varieties has only become popular these last ten or twelve years, it is possible, occasionally, to get an improvement among a lot of seedlings. Such varieties as *Caledonia*, *Peter Plant*, *Joan Edwards*, *Fair Rosamond*, in pink; *Mensa*, *Agnes*, *Gladys Duckham*, *R. B. Burge*, in white; *Robert Milner*, *E. Nottell*, *Josephine*, *Golden Mensa*, *Margaret Totty*, in yellow; *Miss Hilda Wells*, *Jessie Curtis*, *Firelight*, *The King*, *Mrs. Foot*, *Sylvia Slade*, *Ronpell Beauty*, in shades of red, *Caterham Bronze*, *Sundown*

Radiance, *Mary Richardson*, *Dorothy Dann*, *Merstharn Jewel*, in different shades of bronze, would, in my opinion, be impossible to get in a lot, of say, a few hundred seedlings. When we consider that one large grower in England who grows ten to fifteen thousand seedlings, and possibly has as many more grown by others for him to select from every year, and that last year he had only one variety that he considered was an improvement and worthy of being named and introduced among the named varieties, you will see that the ordinary grower with his few hundred seedlings stands a very small chance of producing many prize winners in one season.

While on the subject of single chrysanthemums, I would say that the difficulty of shipping the flowers in good shape is against their popularity with the trade. The commercial grower wants the varieties that have a number of rows of petals, and incurve at the tip of the petals, whereas the most graceful varieties have not more than two rows of petals and they point straight out or reflex a little, and of course such varieties do not ship well.

JAMES STEAR.

Mamaroneck, N. Y.

New York—The transportation committee of the N. Y. Florists Club having in charge the matter of the trip to the American Carnation Society's meeting in Buffalo, Jan. 27, are endeavoring to make arrangements so that the possible exhibitors may be able to take their flowers with them on the same train that they will go on to Buffalo. This will be a great convenience and they will be assured of the arrival of their exhibits on time.

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HAPPY NEW YEAR

May it be The Best Ever

Another brick
thrown

Under this caption we called the attention of our florist readers in a recent issue of HORTICULTURE to the frequent assaults that are being made from various sources upon the florists' business, citing as the then most recent instance that had come to our knowledge, the edict issued by the management of the Metropolitan Opera House in New York forbidding the time-honored practice of passing floral gifts to the performers on the stage, a custom which had brought con-

siderable business to the florists of the metropolis. Now comes to the front the Common Council of the city of Providence, R. I., with a vote requesting the members of the new society who have been in the habit of sending floral greetings to them on the occasion of the inaugural ceremonies to discontinue the practice and, instead, to turn over to charitable purposes the money which the flowers would have cost. One member, in the course of his speech, condemned the use of flowers for any occasion other than three—namely, weddings, funerals and the "coming out" of young society maidens and derisively ridiculed their employment in connection with any of the affairs of business men as an incongruous and frivolous intrusion.

We consider these oft-recurring attacks upon a reputable industry, of which the case we refer to is but one of a long series, to be sufficiently serious to justify the protest to which we devote our entire editorial column this week. An inquiry sent from this office has elicited a reply from a Providence florist stating that, following the aforesaid action of the city council he had been instructed by customers to cancel several orders for flowers which had been previously booked for delivery at the inauguration, a loss to him of business amounting to some hundreds of dollars, and this in a season already marked by unusual business depression and many reverses.

What has happened in Providence is very likely to also occur with dire results to the florists in scores of other cities throughout the country, wherever there are to be found insensate and calloused individuals who look upon flowers as a nuisance and regard those who are touched by floral beauty as effeminate and foolish. Even clergymen have been among the worst offenders in this respect.

The flower industry in this country is now big enough and strong enough to defend itself against these insolent assaults and, through political or other means, to bring retribution on those who would seek to injure it. It should be brought forcibly to the attention of the public that in giving heed to these unjustifiable proscriptions they are aiding and abetting the impairment of a clean and honorable business; that the men engaged in the production and selling of flowers are taxpayers with families to support from the proceeds of their industry. Why should they be interfered with in the exercise of their rights as citizens, their means of livelihood crippled, their families impoverished and their employees be made to suffer by the wanton cutting off of the market for their products?

Furthermore, we think that the average citizen is fully competent to judge as to the purposes for which he shall spend his money. We do not believe that his contributions to "charity," whether large or small, will be increased a nickel's worth by the placing of dictatorial restrictions on his purchasing of flowers. "The poor" will gain nothing through such a course but the prosperity of a refined and beautiful industry will be obstructed and undermined and the poor employee in the greenhouse and the poor clerk in the flower store will be the final sufferers.

This is the time for New Year felicitations and in extending to our readers the compliments of the season we know of no better wish for the florist trade than that during the coming year the "get-together" spirit which has begun to assert itself of late may grow and develop, to the end that with the force and influence which comes only through union and co-operation, the "throwing of bricks" such as we have instanced may be made so dangerous and unprofitable for the throwers that it will be stopped for all time.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS

NEW YEAR'S GREETINGS

From the President of the Society of American Florists and Ornamental Horticulturists.

One of the privileges as well as one of the very pleasant duties of the president of the Society of American Florists and Ornamental Horticulturist, is to wish each and every member of the society and his family a very happy and prosperous New Year.

While we are just now emerging from a period of dullness, I believe that in the very near future, times will change very much for the better. Already we see grain shipments becoming extensive, shoe and textile manufacturers report increasing business, the automobile and steel industries are showing immense improvement and best of all, the banks of the country are giving more confidence for the near future.

Thomas B. Reed once said that "the alternation of good and bad times antedates the pyramids," and that certainly ought to give us courage as we know it is true. Commercial horticulturists together with the other great business interests of our country have shared the losses for the past season and although we are apt to think that our particular business has been hit the hardest, we know that this is not the case. But, however that may be, the dominant note of the commercial horticulturists throughout the United States must be that good times are coming and soon will be here.



PATRICK WELCH
President Society of American Florists

Once more, I wish to express to you my gratitude and appreciation for the honors our Society has conferred upon me. I know that with these honors, I have increased responsibility and intend, with your support, to shoulder this responsibility and to carry it successfully throughout the year. At the beginning of the year, when we all make good resolutions, I want one of the resolutions of this Society to be that it will work to increase our membership. Of the ten thousand firms engaged in floriculture and horticulture in the United States, but 20 per cent

are members of our Society. This should and must be corrected. We must impress upon the minds of those who are not members that while there are many local clubs and other national organizations, organized for the advancement of floriculture and horticulture, still we are the most important society in America, whose aim and purpose have accomplished much in the past and with their co-operation, will extend the field of operations materially in the future.

I hope that the gentlemen appointed to the Board of Directors and Permanent Committees, with our State Vice-Presidents, will prove themselves leaders in the new crusade to increase our membership. We are now living in an age of co-operation, and what was formerly done by individuals, is now done by organizations; consequently, the members of our Society in each state must work with the Vice-Presidents to insure an increased membership.

An increased membership will have its influence at Washington, with Congress, and at the capitols of the different states, with the legislators both at home and in the national capital. An increased membership will better enable us to continue our campaign of education, at our National Flower Shows and at our annual Convention Garden. Many of our young men traveling through the country, were some sufficient stimulant offered, could assist in increasing the membership, and I am willing to offer the stimulant a



WALLACE R. PIERSON
Director Society of American Florists



WILLIAM R. NICHOLSON
Director Society of American Florists



ROBERT C. KISER
Director Society of American Florists

watch and chain to cost not less than \$10.00. The Society has a large stock of watches and chains for sale. The Society is located at 125 West 28th Street, New York City, the largest number of names of new members between January 1st and July 31, 1915.

Again wishing you all the joys and blessings of the coming year.

Yours sincerely,

P. J. WELCH

LIST OF APPOINTMENTS.

President Welch has made the following appointments for officers for 1915.

Board of Directors for a term of three years: William R. Nicholson



HARRY A. BUNYARD,

Director Society of American Florists.

Framingham, Mass.; Robert C. Kerr, Houston, Tex.

Additional members of the Board of Directors, complying with the amend-

THE STORY THAT IS TOLD BY TIME



THIS photograph is of a single flower of Double White Killarney.

From a small sale the first year to a big sale this year is the story of Double White Killarney—the rose that has fulfilled predictions and has made friends everywhere. For summer flowers and for shipping it is the superior of White Killarney.

We have a large stock and can fill your order for the best white rose in existence—the Budlong strain of Double White Killarney.

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ments adopted at the Boston convention, to serve one year.—Wallace R. Pierson, Cromwell, Conn., president American Rose Society; S. J. Goddard, Framingham, Mass., president American Carnation Society; Irwin C. Bertermann, Indianapolis, Ind., president Florists' Telegraph Delivery; Harry A. Bunyard, New York, president New York Florists' Club; George Burton, Philadelphia, president Florists' Club of Philadelphia.

Member National Flower Show Committee.—William P. Craig, Philadelphia, reappointed for the full term of six years.

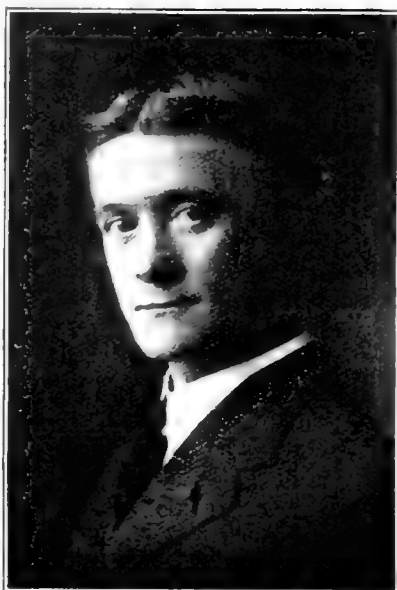
Washington Representative.—Wm. F. Gude, Washington, D. C.

Tariff and Legislative Committee.—William F. Gude, chairman, Washington, D. C.; James McHutchison, New York City; Wm. F. Kasting, Buffalo, N. Y.; R. M. Ward, New York City; Julius Roehrs, Rutherford, N. J.; Wm.



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Director Society of American Florists.



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Director Society of American Florists



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Two of Pernet-Ducher's Best Roses



MME. EDOUARD HERRIOT, "The Daily Mail Rose."

Mme. Edouard Herriot, "The Daily Mail Rose"—Winner of the **Gold Cup** which was offered by the "Daily Mail" of London for the **Best New Rose** exhibited at the **International Horticultural Exhibition** in London in 1913. It is an entirely new color in Roses which one of our best posted Rose enthusiasts describes as being like sunshine on a copper-red metal. The buds are exceptionally long, slender and pointed. We offer strong, imported dormant plants, suitable for 5 inch pots, \$6 per doz.; \$50 per 100.

Willowmere—In bud a splendid coral red suffused with carmine opening to a large, full, handsome flower of a rich shrimp-pink, shaded yellow in the centre and flushed carmine-pink toward the edges of the petals. Strong imported dormant plants, \$7.50 per doz.; \$60 per 100.

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Botanist.—Prof. J. F. Cowell, Buffalo Botanic Gardens, Buffalo, N. Y.

Pathologist.—Prof. H. H. Whetzel, Cornell University, Ithaca, N. Y.

Entomologist.—Prof. W. E. Britton, state entomologist, New Haven, Conn.

Chairman Committee on Sports.—C. E. Critchell, Cincinnati, O.

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L. Rock, Kansas City. Montana: John P. Ring, Helena. Nebraska: Irwin F. Frey, Lincoln. New Hampshire: Donald McLeod, Concord. New Jersey: Joseph A. Manda, West Orange. New York (East): Max Schling, New York City. New York (West): S. A. Anderson, Buffalo. North Carolina: Wm. Rehder, Wilmington. North Dakota: T. D. Smedley, Fargo. Ohio (North): H. P. Knoble, Cleveland. Ohio (South): C. E. Critchell, Cincinnati. Oklahoma: George Stiles, Oklahoma City. Oregon: F. A. Van Kirk, Portland. Pennsylvania (East): Harry S. Betz, Philadelphia. Pennsylvania (West): W. A. Clarke, Pittsburgh. Rhode Island: Fred C. Green, Providence. South Carolina: C. A. Moss, Spartanburg. South Dakota: W. T. March, Mitchell. Tennessee: C. L. Baum, Knoxville. Texas: Henry F. Greve, Dallas. Utah: A. J. Alt, Salt Lake City. Vermont: W. E. Peters, Burlington. Virginia: F. A. Whelan, Mt. Vernon. Washington: J. W. Duncan, Spokane. West Virginia: C. P. Dudley, Parkersburg. Wisconsin: F. H. Holton, Milwaukee.

Canada.

Alberta: A. M. Terrill, Calgary. Manitoba: H. E. Philpott, Winnipeg. Ontario: H. Dilleuth, Toronto. Quebec: George A. Robinson, Montreal.

William R. Nicholson.

In placing William R. Nicholson on the executive board of the national society, President Welch has adopted a wise and far-seeing policy. It is a recognition of the younger element in the trade which will be received with approval on all sides and the gentleman thus honored is a worthy representative of this class, without whose loyal support no organization can long remain prosperous. Wm. R. Nicholson was brought up in the florist business, his father, William Nicholson, whom he succeeds in the establishment at

Framingham, Mass., being a well known and successful grower and an ex-president and hard worker in the American Carnation Society. The young man has been closely identified with the convention sports department and was an efficient worker in the games and entertainment at the Boston convention last August.

Robert C. Kerr.

Robert C. Kerr is a native of Texas, his father having established the first nursery in that state immediately after the close of the civil war. Upon the graduation of the young man by the A. & M. College of Texas a florist department was added to the business and he was placed in charge. Eight years ago he bought out the florist department, which has now grown to be one of the largest in the South. Mr. Kerr is a hustler in whatever he undertakes. It was he who organized the Houston Florists' Club, San Antonio Florist Club, Austin Florist Club, Dallas Florist Club, and then centralized these by organizing the Texas State Florists' Association. He managed the very successful first annual flower show, held at Houston last November. He is now president of the Houston Florists' Club and the State Association. This recognition of one of the most active and influential men in the Southern section of the country should bring out much latent activity among the Southern horticultural people and greatly enhance the prestige of the national society in that section.

The five other additions to the Ex-

IMPORT STOCK CASE LOTS

Prompt shipment at F. O. B. New York prices, in case lots

- 30 Cases **KENTIA FORSTERIANA** Seeds
2 1/4 bushel (about 11,000 seeds per case)
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- 24 " **High Grade BERLIN VALLEY PIPS** (1913 crop)
(2,500 pips per case)
- 4 " **LILIUM MULTIFLORUM** (new crop)
7-9 in. (300 per case)
- 4 " " **RUBRUM** "
8-10 in. (170 per case)
- 7 " " **GIGANTEUM** "
7-9 in. (300 per case)
- 5 " " **GIGANTEUM**
9-10 in. (200 per case)
- 45 Bales **RAFFIA, Red Star Brand**
(225 lbs. per bale)
- 137 " " **AA West Coast Brand**
(225 lbs. per bale)
- 86 " " **XX Superior**
(225 lbs. per bale)
- 42 Cases **French Manetti, 1 year 5/9 m/m**
(10,000-15,000 per case)

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VINES, ROSES, ETC.



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ecutive Board of the S. A. F. in accordance with the vote on affiliation passed at the Boston convention last August are all so well known to our readers that little needs to be added here to what is already familiar.

Harry A. Bunyard.

Harry A. Bunyard, who becomes a member of the board for one year by virtue of his election to the presidency of the New York Florists' Club, has already served a three-year term on the board and will bring to the work this year not only zeal and efficiency of a high order but the advantage of valuable experience in S. A. F. matters.

George Burton.

George Burton, president-elect of the Florists' Club of Philadelphia, is the son of John Burton, an ex-president and charter member of the S. A. F. Mr. Burton thus has the honor of representing the first florists' club organized, in the councils of the national body. Like his father, he is a very expert and successful rose grower.

Wallace R. Pierson.

Wallace R. Pierson, who assumes membership on the board by reason of his office as president of the American Rose Society, is still another of the younger element in horticulture, being associated with his father, A. N. Pierson, in the management of the vast plant and flower growing establishment at Cromwell, Conn. As a shrewd business man Wallace Pierson is widely known and he will be no drone in the big national hive.

Irwin C. Bertermann.

Irwin C. Bertermann represents the most recently aroused class in the great floral industry—the retail trade, an element which for years resisted all efforts to get them to support the S. A. F. The recent awakening to the value of the national organization and their mutual obligations is due in no small degree to Mr. Bertermann's zealous work. We look for still greater co-operation on these lines through his membership on the executive board.

S. J. Goddard.

S. J. Goddard, president of the American Carnation Society, will prove, a sincere and loyal worker as an S. A. F. director. For many years his skill and industry as a grower of carnations have placed him in the van of successful culturists supplying the Boston market and winning honors at the exhibitions. He is also popular among a host of friends because of his geniality and companionable traits. Through Mr. Goddard the Carnation Society is well represented for the coming year.

DREER'S FERNS FOR DISHES

The Best Stock We Have Ever Offered



**2 1-4
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**\$3.00
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SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

Department of Plant Registration.

As no objections have been filed, public notice is hereby given that the registration by the Conard & Jones Co., West Grove, Pa., of the Cannas "Pocahontas (Bronze Olympic)," "Flag of Truce," "Dragon," "Princeton" and "Gaiety" becomes complete.

Public notice is hereby given that F. W. Fletcher, Auburndale, Mass., offers for registration the Asparagus described below. Any person objecting to the registration or to the use of the proposed name is requested to communicate with the secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

Description.—Origin: A hybrid seedling, raised in 1911, parentage, *Hatcheri* x *deflexus scandens*. This variety is as free-blooming as *A. Hatcheri* and the cut sprays are as durable and long-keeping as *D. scandens*. It is absolutely thornless. Not as heavy in growth as *plumosa*, but very dainty and graceful. Especially valuable for decorative work when in bloom.

Name.—"*Asparagus hybrida gracilis*." JOHN YOUNG, Secy.

Dec. 26, 1914.

The next regular meeting of the Florists' Club of Washington will be held Jan. 5. A special entertainment is being provided for the occasion, including a motion picture exhibition.

FLORISTS' AND GARDENERS' CLUB OF RHODE ISLAND.

Cornelius Hartstra, gardner for the Rhode Island Hospital, was re-elected president of the Florists' and Gardeners' Club of Rhode Island at a recent meeting of the club. Other officers were chosen as follows: Vice-president, James Dillon; secretary, W. E. Chappell; treasurer, James Hockey. Executive committee, Henry C. Neubrandt, Owen McManus and John Marshall all of Providence. The installation of officers will take place on Jan. 25.

The club will hold its regular meeting on Monday evening when plans for a banquet in connection with the installation of officers will be decided upon. There is considerable talk about having a "blow out" on the first meeting night of the New Year to arouse enthusiasm among the members and prepare for a winter of activity.

THE National Nurseryman

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Clubs and Societies

AMERICAN SWEET PEA SOCIETY.

I am pleased to report that the preparations for the show are now in the hands of the printer and will be ready for members and applicants the first week in January.

The Newport Horticultural Society offers prizes to the value of \$200. The Newport Garden Association \$100., and the Newport Garden Club \$100. W. B. Scott & Co., and the Broadway Hardware Company of Newport are also offering prizes for children. Special prizes which have been received by The American Sweet Pea Society and will be added to the preliminary schedule are as follows:

First, H. H. H. Co. 12 vases, 20 stems to a vase of 12 varieties of Spencer's, 1st, \$25.00; 2nd, \$10.00; 3rd, \$10.00.

W. A. Burpee & Co. 12 vases of 12 varieties of Spencer's, 20 stems to a vase, 1st, \$25.00; 2nd, \$10.00; 3rd, \$10.00.

Stump & Walter Co. Six vases, six distinct Spencer varieties, 20 sprays to a vase; 1st, \$15.00; 2nd, \$10.00; 3rd, \$5.00.

C. C. Morse & Co. A silver cup, value \$25.00, for the finest display of sweet peas open to the seed trade only.

Henry F. Michell Co.—Silver medal for 6 vases, 25 sprays each, 6 Spencer varieties. Bronze medal for best 25 blooms "Illuminator." Silver medal for best vase Spencer varieties mixed, not less than 100 blooms. Bronze medal for the best vase of mixed sweet peas, not less than 100 blooms. Bronze medal for the best 25 vases of 12 sprays each white, and 12 sprays pink.

Thomas J. Grey Co.—A cut glass bowl. Burnett Brothers. For the best vase of white, (Spencer variety) 50 sprays to the vase. Gypsophila or foliage other than sweet peas can be used. \$10.00.

Weber & Don—Vase of 100 sprays mixed sweet peas, arranged for effect. Gypsophila and foliage other than sweet peas can be used. \$10.00.

Mount Desert Nurseries—Vase of one variety, any color, 25 stems arranged for effect, any other foliage may be used. 1st, \$7.50; 2nd, \$2.50.

Joseph Breck & Sons—\$10.00. John Lewis Childs—Vase of mixed sweet peas, not more than 25 sprays; \$5.00; 2nd, \$3.00; 3rd, \$2.00.

Hitchman & Company. A silver cup. Henry A. Dreer. Vase of Spencers, Royal Purple; 1st, \$5.00; 2nd, \$2.50. Vase of Spencers, Margaret Madison Improved; 1st, \$5.00; 2nd, \$2.50.

Jerome B. Rice Seed Co.—1st, \$5.00; 2nd, \$3.00; 3rd, \$2.00.

Sutton & Sons. Silver cup, value \$25.00, for the best table of sweet peas, covering 12 square feet, and not to exceed three feet in height. Gypsophila and foliage other than sweet peas may be used.

R. & J. Farquhar & Co. Six distinct varieties of Spencers, one vase of twenty sprays of each variety, open to private growers only. 1st, \$12.00; 2nd, \$8.00.

F. R. Pierson Co. A silver cup.

In addition to the above prizes, the American Sweet Pea Society will offer their usual cash prizes, gold, silver and bronze medals. There is still opportunity for the trade and others to offer prizes at this time. Meanwhile, would extend thanks to those who

have so generously contributed prizes to what we hope will be the most successful exhibition ever held by our society.

HARRY A. BUNYARD, Secy.,
342 West 14th St., N. Y. C.

OYSTER BAY HORTICULTURAL SOCIETY.

The annual meeting of the Oyster Bay Horticultural Society was held in Fireman's Hall, Oyster Bay, N. Y., on Dec. 23. Communications were read offering prizes for the summer shows: J. Roscoe Raynor, \$5.00, to be used at the discretion of the society; John T. Ingram, \$10.00, for collection of outdoor roses, eighteen varieties; H. C. Smith, \$5.00, at the discretion of the society. Mr. Robinson, Mr. Duthie and Mr. Walker were appointed as a special committee to buy books on gardening, etc., to start a circulating library.

On the monthly exhibits the judges made the following awards: Antirrhinums, F. Kyle; celery, Jas. Duthie; violets, Jas. Duthie; Jas. Duckham, honorable mention for Spiraea Philadelphia; John Soroisick, cultural certificate, for cauliflower.

The election of officers for 1915 resulted as follows: President, Jos. Robinson; vice-president, Jas. Duckham; treasurer, H. G. Vail; financial secretary, F. Gale; secretary, Andrew R. Kennedy; trustee for three years, A. Walker.

Executive Committee: John Soroisick, F. Kyle, A. Patton, John T. Ingram, F. Gale, A. Dawson, G. De Graff.

All officers were duly installed and made appropriate speeches.

Exhibits for the next meeting, to be held Wednesday, Jan. 20, 1915, twenty-five sprays of sweet peas, one pot of cineraria and six stalks of rhubarb.

After meeting adjourned all partook of cigars and refreshments provided by the Executive Committee.

ANDREW R. KENNEDY, Secy.

CATALOGUES RECEIVED.

L. Daehnfeldt, Ltd., Odense, Denmark.—Wholesale Export Seed Catalogue. For the trade only. An illustrated list of the specialties of this well-known firm.

W. E. Marshall & Co., New York.—1915 Catalogue of Marshall's "Matchless" Seeds. Well arranged and fully illustrated. Plants, roots and implements included, also an interesting novelty list.

Wm. Elliott & Sons, New York.—Annual Seed Catalogue for 1915: 70th Edition. This always welcome visitor comes in a very attractive dress this year. "Invincible Asters" on title page and a brilliant garden scene on back cover, both in natural colors. There are four pages of novelty and specialty list.

J. M. Thorburn & Co., New York.—Thorburn's Seeds, 1915. Plain and dignified as becomes a 113-year-old, comes this New Year greeting, dressed in soft brown tints and carrying to the garden loving public 148 pages of inspiration. An embossed illustration of Thorburn's first store as it appeared in 1802 is used as a centre medallion on the title page. There are six pages of enticing flower and vegetable seed novelties.

MICHELL'S NEW CROP FLOWER SEEDS

PETUNIA:	Tr.	Pkt.	Oz.
Micelli's Monstrosus	\$1.00		
California Giants	.50		
Grandiflora Fringed	.50		
Dwarf Indivisible	.50	\$1.25	

PHLOX DRUMMONDII (DWARF):			
Candy, Large, flowering, mixed colors	.50	2.25	
Crimson with Eyes	.40	2.25	
Deep Scarlet	.40	2.25	
Fl. Mand. Soft Pink	.40	2.25	
Fireball, Scarlet	.40	2.25	
Pink	.40	2.25	
Snowball	.40	2.00	
Violet with Eyes	.40	2.00	
Gloves Mixed	.40	1.25	

SHAMROCK:			
Time Irish	.25	.75	

VERBENA:			
Mammoth Fancy Blue	.30	1.25	
" " Pink	.30	1.25	
" " Scarlet	.30	1.25	
" " Striped	.30	1.25	
" " White	.30	1.25	
" " Mixed	.30	1.00	

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Kelway's Celebrated English Strains

can get them at lowest independent wholesale rates by sending their orders direct to

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Wholesale Seed Growers
LANGPORT, SOMERSET, ENGLAND
Special quotations on application

W. Atlee Burpee, Philadelphia, Pa.—Burpee's Annual for 1915. This very comprehensive list of flower and vegetables shows each year some distinct addition to its attractive features. The present is its 39th issue. King White sweet pea is used as cover illustration on front and Baby Delight watermelon on the back, both in colors and there are four colored plates inside. Attention is called in several places to the effects of the European war on the seed supply for this year and it is contemplated to issue a "war bulletin" about February 1st, giving such further information as may have come to hand by that date.

SEED TRADE NOTES.

John Gerard has retired from the seed business in New Britain, Conn.

James F. M. Farquhar, of R. & J. Farquhar & Co., Boston, has gone to Charleston, S. C., for his health and will stay there until April.

Classification and valuation of horticultural imports into New York during the week ending Dec. 19, 1914, were as follows: Manure salt, \$19,571; fertilizer, \$4,508; grass seed, \$726; trees and plants, \$21,150.

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Of Interest to Retail Florists

THE RETAILERS' BUSINESS CALENDAR.

Jan. 2, Sat. The old year is dead. Another calendar has been set upon the Road of Time and the race of business to get the calendar to multiply. Many a proprietor today was a clerk in a store before he came to your speeding feet, young flower merchant. Who knows what strain of business he has in his blood? Each dawn is arched with rain. The clouds are dark and the sun is spread but a threshold. Today is but a threshold. No man can dream what lies beyond. The clerk of today is very likely to be the merchant of a year from now. The man who looks down upon himself because he is a clerk, does not give much promise for the future. He should regard himself as an apprentice in life, as a learner of the trade of business, as one who is fitting himself to be a merchant proprietor in a future day. This is the hour of the best man. There are no barriers, no predestined positions, no castes of breed—only of deed.

Jan. 3, Sun. Get busy, at least once a week, and dust off your conscience. Do something, or perhaps one might well say, don't do anything, so as to make Sunday, the day of rest, different from the rest. Now that the rush season is over, every florist has the chance to get home early and get acquainted with his family. A few flowers or an odd plant brought home occasionally goes a long way to cement the tender feelings. All that we send into the lives of others comes back into our own.

Jan. 4, Mon. A vital necessity is successful retail advertising; somewhere in it, drive home and clinch a point which will bring to you dollars and cents. Somewhere state a truth that will convince the reader that what you are talking about is better, cheaper, or more desirable than he will be able to find elsewhere. If you are advertising an article which possesses neither the feature of quality or price, you had better fill your space with a report of the weather.

Jan. 5, Tues. We cannot know too much about our goods. Know them intimately. Know their character; their reputation. One might just as well send a soldier into the battle with a gun he does not know how to use as to rely for commercial success upon ignorance or indifference of the facts about one's flowers, plants, baskets, decorations, etc. Too many times are the questions of customers answered indifferently and carelessly in regard to the care of some plant or bouquet. Patrons will appreciate it if you can show them how to prolong the beauty and freshness of their purchased flowers and it is surprising how little the layman knows about the small things that aid in preserving the life of flowers a little while longer.

Jan. 6, Wed. If we are to accomplish anything of moment in the world, we must strike out boldly on new lines of our own. One cannot expect to make any but ordinary headway doing what others are doing. Competition under such conditions is too

JOHN BREITMEYER'S SONSCor. Broadway and Gratiot Aves.
DETROIT, MICH.**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good sections of Ohio, Indiana and Canada. Members Florists' Telegraph Delivery Association.

THE ROSERY

23 STEUBEN ST.

ALBANY, N. Y.

FLOWER DELIVERIES FOR ALBANY AND VICINITY

Members Florists' Telegraph Delivery

WASHINGTON,
D. C.**GUDE'S**Member Florists
Telegraph
Delivery.**CLEVELAND****A. GRAHAM & SON**

5523 Euclid Ave.

Will take good care of your orders

Members of F. T. D. Association.

SAMUEL MURRAY

Kansas City, Mo.

913 Grand Ave.

Member of the Florists' Telegraph Delivery

All Orders Given Prompt and Careful Attention

The Park Floral Co.

J. A. VALENTINE, Pres.

Member Florists' Telegraph Delivery.

DENVER, COLORADO

Rochester, N. Y.

**J. B. KELLER SONS,
FLORISTS**

25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2180
Members Florists Telegraph Delivery**"THE HOME OF FLOWERS"**

The largest cut flower store in America. Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

**HOLM & OLSON, Incorporated
ST. PAUL, MINN.**

CHICAGO Send Your Orders to WILLIAM J. SMYTH

Member Florists' Telegraph
Delivery Association

Michigan Ave. at 31st Street

Prompt Auto Delivery
Service

THOS. F. GALVIN
INC.

NEW YORK 561 Fifth Ave.
Vanderbilt Hotel
BOSTON 126 Tremont Street
799 Boylston Street

Deliveries to Steamers and all Eastern Ports

WASHINGTON

915 F ST. N. W.

F. H. KRAMER

Auto delivery of Designs and Flowers to
any address in Washington.

Stock and Work First Class

New York. Washington, D. C.

J. H. SMALL & SONS
FLORISTS

NEW YORK, WASHINGTON, D. C.
1153 Broadway, Cor. 15th & H. Sts.
AND WALDORF-ASTORIA.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL STREET, ALBANY, N. Y.

ST. LOUIS, MO.

FRED C. WEBER
4326-28 Olive St.

Member Florists Telegraph Delivery Association
NOTICE INITIALS. We have one store only

The Far-Famed Flowers of
TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP
66 Yonge St., - - - TORONTO, ONT.

F. R. PIERSON CO.

FLORISTS AND
PLANTSMEN

TARRYTOWN ON HUDSON, - N. Y.

ROBERT J. DYSART
PUBLIC ACCOUNTANT AND AUDITOR

Simple methods of correct accounting
especially adapted for florists' use.
BOOKS BALANCED AND ADJUSTED
Merchants Bank Building

40 STATE ST. - - - - - BOSTON
Telephone Main 56

keen to admit of great advancement. Break in on old methods with a new plan, or do something better than it has ever been done before. New ideas help make big successes. It is the man who can anticipate new wants or create some new demand that wins fortune. The man with ideas and the nerve and energy to work them out will always find a field, no matter how crowded the market. If you have an idea, don't be afraid to try it out. You'll never know what it is worth until you try. Ideas are rare inspirations. Seize hold of them and act.

Jan. 7, Thur. By this time the results of the Christmas season are definitely fixed. Was there a substantial increase in your bank account? Do you think that more and better advertising would have helped much? At any rate, don't forget the wholesalers and plant growers. Pay bills promptly and start the new year with decks cleared for action.

Jan. 8, Fri. Merchants spend millions of dollars in advertising for new customers and then spend millions more to hire clerks who may drive these customers away as fast as they come. We should remember that customers comes to us voluntarily to be served, and that we cannot compel him to come or to buy if he does not wish to. It takes very little to persuade some people to change stores because the clerks have never made friends of them. Why is it that some customers will wait half an hour to be served by a favorite salesman, if not because the salesman has understood his customers and made friends of them by being both courteous and obliging.

Jan. 9, Sat. You will get your copy of HORTICULTURE as usual. The trade paper is the paper that the retailer reads as the devotee reads his Bible. To the retailer it is the only means he has of getting an unbiased view of what is going on in his field. He looks to his trade paper to learn the facts and secure the real reliable information with reference to lines of merchandise, market conditions and all other divisions of his business, and he will find the advertising pages as valuable in this respect as the reading columns.

NEW FLOWER STORES.

Galena, Ill.—J. V. Wickler, Sampson Bldg.

St. Louis, Mo.—Margaret Eggeling, Berlin avenue.

St. Paul, Minn.—Colberg & Collins, St. Paul Arcade Bldg.

Burlington, Ia.—Mrs. Jos. Bock, 317 North Third street.

Chicago—Word went the rounds of the Chicago market on Monday, that George Wienhoeber would no longer manage the down-town store of the Fleischman Floral Co. on Jackson Blvd. The break came as the result of a little friction over the Christmas trade and Mr. Wienhoeber will go into business for himself. It is stated that he bought out Lubliner & Trintz and will take possession on Jan'y 1st.

Penn
The Florist

"The Telegraph Florist"

Member of Florists' Telegraph Delivery

37-43 Bromfield St., Boston, Mass.

ORDERS FOR

NEW YORK

WIRE OR PHONE TO

MAX SCHLING

22 West 59th Street, adjoining Plaza Hotel

Best Florists in the States as References

EUROPEAN ORDERS EXECUTED

Members of the Florists Telegraph
Delivery.

REUTER'S

Members Florists
Telegraph
Delivery

STORES IN

New London and Norwich, Conn.
and Westerly, R. I.

We cover the territory between

New Haven and Providence

Transfer your orders for flower or
plant deliveries to

ZINN The Florist
4 Park St., Boston

HESS & SWOBODA

FLORISTS

Telephones 1501 and L 1551

1415 Farnum St.,

OMAHA, NEB.

THE J. M. GASSER COMPANY,

CLEVELAND

Euclid Avenue

S. A. ANDERSON

440 Main St., Buffalo, N. Y.

ANDERSON service means fresh, sturdy
stock, and prompt deliveries in BUFFALO,
LOCKPORT, NIAGARA FALLS and
WESTERN NEW YORK.

Members of Florists' Telegraph Delivery.

NEWS ITEMS FROM EVERYWHERE

BOSTON.

Ladies' Night and the election of officers of the Garden and Florists' club will take place Jan. 12, 1915.

More interest is being taken by local florists and carnation enthusiasts in the Buffalo carnation convention. President Goddard hopes for a goodly following from this section.

The seed stores gathered in a large part of the holiday harvest. This was especially true of Fottler, Fiske, Rawson Co., who did a heavy business in Christmas wreaths and other greenery.

The season has been a rather unfortunate one for A. Leuthy & Co., of Roslindale. A large shipment of azaleas was made worthless by exposure on a New York dock for over three weeks.

Some specialties in the markets this week that are worthy of mention are carnations Eureka and Matchless from Paul F. Brigham and well-flowered tulips in pans from Mann Bros.. The first Golden Spur narcissi we have seen were brought by J. J. Fee.

Miss E. Patterson, of Wollaston, Mass., is receiving congratulations and best wishes from her many friends upon her engagement to a Quincy business man. The engagement has not been publicly announced and therefore Miss Patterson is reluctant to divulge the name of the lucky gentleman as yet.

The local wholesale houses are cheerful places to visit just now, especially the larger ones, who did a heavy business in shipping trade. Once more do the growers complain of the trade diverted from the sale of natural flowers by the enormous quantity of dried and artificial basket combinations and plants that were sold.

Providence, R. I.—The Providence Common Council put the ban on flowers for inauguration day at its meeting, last Monday night, when it passed a resolution requesting friends to omit the gorgeous gifts of blooms and instead, remit the money intended for flowers to the City Clerk to be turned over to some charitable organization. Councilman William F. Sears offered the resolution, stating that admiring friends might do well to relieve some of the suffering in the city. Mr. Sears said that ordinarily between \$250 and \$300 is spent for flowers. "It seems to me," Mr. Sears said, "that the flower money would help relieve some of the suffering about the city and that is the only object of my objection."

Councilman B. Thomas Potter took occasion to frown upon the floral decorations and said: "It is time that this body be awake to the fact that we are business men and not a bunch of coming-out maidens. Flowers are really needed on three occasions—the coming out of a young lady, a wedding and a funeral. To the best of my belief, the inauguration day ceremonies are none of these things."

CHICAGO.

Herbert Stone has taken a position as manager of the Mrs. Williams store, known as The Atlas.

The Warren Floral Co. has opened a store at the corner of 12th street and 60th avenue, two blocks from its greenhouses.

A. Lange has taken out a five years' lease in the new Stevens building. This building, lately completed, is one of the finest, though not the largest, of the State street buildings in the loop and caters to a very high class of trade.

The extreme cold of a week ago resulted in the loss of the stock in the N. J. Kruchten greenhouses at Western and Berwyn avenues. A defective gas pipe in the street opposite the houses had caused no damage so long as the ground permitted the escape of the gas. When the ground froze, the gas made its way into the greenhouses and the loss of 35,000 carnation plants and sweet peas seems to be a total one. N. J. Kruchten is one of Chicago's well-known growers and built the range in 1900. His two sons are in the wholesale business in the Atlas Block.

In one block on Wabash avenue the closing year has brought many changes. The passing away of E. E. Peiser, connected with Kennicott Bros. for over thirty years; the closing of the J. B. Deamud wholesale commission store; the opening of Harry Rowe's retail store in a wholesale district and the new venture of the Frank Co. all have occurred within the block between Randolph and Lake street, one of the strongholds of the florists. Harold Kennicott, nephew of the Kennicott Bros., who founded the business in the 70's, has decided to remain in the business in Chicago.

A rather spectacular Christmas azalea sale was an event in the plant market, outside of the florists' realm. One of the big department stores offered 2,000 azaleas, averaging from 12 to 15 inches across the top, at 69 cents each. They sold in an incredibly short time and sales were limited to one plant to a customer. The way in which the plants were handled was brought to a system which made it possible to sell, wrap and deliver plants over the counter to customers as fast as change could be made. The plants were not perfect and a large proportion could not have been sold at a florist's store, but they were purchased by every class of customers. The sale was the result of the oversupply of azaleas which came into Chicago and vicinity the past summer.

Washington.—Gude Bros. Co. report having found it necessary to employ thirty-five additional men to handle the Christmas trade in addition to their regular force and ten men brought in from the greenhouses. In the movement of the goods from the store eleven closed and heated automobiles were utilized.

SAN FRANCISCO.

Mrs. F. W. Chambers has opened a new flower shop at Madera, Cal.

A. E. Schlaudt, who has been in business for many years at San Jose, Cal., on Dec. 12, opened a new shop at 119 S. Second street, that city. G. V. Hiam is buyer and manager of the new store.

A. O. Grassl, lately of Oakland, has taken over a nursery at Grass Valley, and is overhauling the place and putting in a new stock. He will operate under the name of Grass Valley Greenhouses.

The Universal Distributing Company has been incorporated at Suisun, Cal., by Frederick S. Wythe, Marlon Veckl and P. O. Peterson of San Francisco, to conduct a flower, fruit and general farming business in Solano county.

The Pacific Coast Horticultural Society now has its bowling club formally organized, and the weekly practice is well attended. As a result of the extra exercise, several of the members are throwing off a good deal of surplus weight, which they are well able to spare.

The city of Berkeley is working out a "city beautiful" plan, and has designated Live Oak Park as a "clearing house" for plants with which to adorn the streets. A large number are now ready for distribution, and citizens having a surplus of plants are invited to send them to the park.

A committee consisting of John Vallance of Oakland, W. V. Eberley of Niles, and E. Gill of Berkeley, all well known to the flower trade, has been appointed to make arrangements for the next annual convention of the Pacific Coast and California nurserymen's associations. The time of meeting has been tentatively set for Aug. 12, 13 and 14, this being ahead of the usual time on account of the S. A. F. convention.

In addition to the branch at 156 Powell street, the Art Floral Company has opened another holiday branch around the corner from its main store, putting a large stock of Christmas trees, holly wreaths, etc., on a vacant lot on Geary street adjoining the Stewart Hotel. The large trees are arranged in park-like effect, with plenty of incandescent lights; and as the place is well within the shopping district a lively business is being done.

CHICAGO

And Neighboring Towns

Are Thoroughly Covered by

SCHILLER, THE FLORIST

(Member Florists Telegraph Delivery).

Flowergram or Mail Orders from florists anywhere carefully filled and delivered under the supervision of

GEORGE ASMUS, Mgr.

2221-2223 W. Madison St., CHICAGO.

'Phone West 822

HAPPY NEW YEAR To the Florist Trade of America

We have now come to the turning point of an exacting period. The busiest season of the year should now ensue. It will be just what you and I make it. If customers are slow in coming forward, get after them and tell them what you can do for them, just as we are getting after you in this New Year's Greeting.

We have the greatest and most complete collection of Florist Supplies in this country. Stunning New Year's Novelties for Dinner and Wedding Decorations and St. Valentine's Day. Located within one block of all the Express Companies, and the Parcel Post is right at our door. We can fill your orders at a moment's notice. Try us!

H. BAYERSDORFER & CO., The Florists' Supply House of America **1129 Arch St., PHILADELPHIA, PA.**

Obituary

William Kind.

William Kind, father of Hugo Kind, proprietor of Shady Lawn Nurseries, at Hammonton, N. J., passed away on Thursday, Dec. 24, aged 75 years. He purchased the place, which his son now conducts in 1905.

H. S. Chandler.

H. S. Chandler, of Tewksbury, died of a paralytic shock last Tuesday night, Dec. 22. He was fifty-eight years old and had been for many years in the florist business, growing carnations as a specialty. During his lifetime Mr. Chandler also won a rather enviable reputation as an apple grower. The deceased leaves a widow, Theresa, and two sons, J. W. and Thaddeus S., who will continue with the business, consisting of greenhouses and orchards.

Matthew J. Leach.

Matthew J. Leach, florist, died Sunday night, Dec. 20, at his home, New man avenue, Seekonk, Mass., after an illness of several days duration. Mr. Leach, together with his sons, had been engaged in the florist business in Pawtucket, R. I., for the past 23 years and 11 years previous to locating in Pawtucket was located in Seekonk, Mass., where the greenhouses are at present located.

Mr. Leach was born in Yorktown, N. Y., March, 1845, the son of Edwin and Martha Leach, and came to Pawtucket with his parents when a boy. He was engaged in the monument business for a number of years, but later engaged in the florist business, in which he continued until his death. For the past few years Edward I. and Herbert A. Leach, sons, have been in business with their father.

John Munson.

John Munson, proprietor of the Minneapolis Floral Company died at Minneapolis, Minn., on December 28, of pneumonia and a complication of diseases, in the fiftieth year of his age. Mr. Munson came from Sweden in 1892 and worked for August Swanson at Merriam Park and went thence to assume the position of foreman of the Smith greenhouses. In 1890 he started in business for himself and has been very successful. He was an active and popular member of the Minn-

neapolis Florist Club, Minnesota State Florists' Association and Society of American Florists. He leaves a widow and one daughter. The funeral on December 31 at Lakewood Cemetery Chapel was largely attended by mourning friends in the florist fraternity.

Frank D. Hunter.

Frank D. Hunter died in New York City on Monday, December 28. Mr. Hunter was last employed as manager for Noll & Co., of Newark, N. J., in their branch seed store in the Hudson Terminal Building in New York. This branch was closed up some months ago as an unprofitable proposition since which time Mr. Hunter has not been engaged in any business.

He was born in Poughkeepsie, N. Y., about 65 years ago, and there obtained his knowledge of the seed business. Later he resided with his parents who had greenhouses, at Lodi, N. J. Subsequently he embarked in the seed and supply business in Passaic, N. J., and afterwards entered the wholesale cut flower commission trade with James Hammond as Hammond & Hunter at 50 West 30th street, New York. On the dissolution of the partnership Mr. Hammond took charge of the book-keeping department of J. H. Small & Sons in their Broadway store, where he remained for 14 years, afterwards taking the aforesaid Noll proposition.

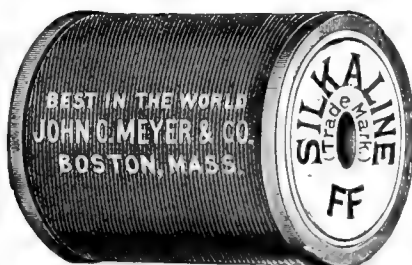
Mr. Hunter was very severely injured by being run down by an automobile several years ago and since that time his health has not been as good as formerly but he was always cheerful and optimistic and everyone in the trade who knew him respected him highly. The news of his death will bring sadness to many friends.

John Muir.

John Muir, the famous California naturalist, died on Dec. 24 of pneumonia. He was visiting his daughter, Mrs. Helen Muir Funk, at Daggett, a town in the desert of San Bernadino county, and fell ill. He was brought to Los Angeles for treatment, but sank rapidly, death coming at 10 o'clock Thursday morning.

John Muir was born in Dubar, Scotland. At the age of 11 years he came with his parents to this country and made his home first in Wisconsin, where by his own energy and industry he was finally graduated after a four years' course in the University of Wisconsin, in the class of 1864, following which he plunged into his life work of geologist, explorer and naturalist, making his home at Martinez, California. He traveled and explored extensively, making elaborate classifications of animal and plant life and wrote considerable in the form of magazine and newspaper articles. He published two books, "The Mountains of California" and "Our National Parks." His writings overflow with an exuberant love for nature and poetic descriptions that fascinate and inspire the reader. Of him the Boston Herald says:

"John Muir, like John Burroughs, with whom his name often has been linked, belonged to that school of British naturalists whose work was so fused with the writer's personality and so permeated by individual feeling that their output was as much literature as science. Philosopher and artist, as well as observer, he took a creative delight in all his work which no mere classification of details could have brought. He isolated himself for 10 years in the Sierra Nevada mountains, suffering untold hardships and perils in order to carry on his investigations. Harvard, Yale, Wisconsin and other universities granted him honorary degrees and he was elected to membership in many scientific societies."



BE SURE that you get the MEYER GREEN SILKLINE, and do not take any other that is sold as an imitation of the MEYER GREEN SILKLINE, as they do not have the full weight, measure and strength of the genuine article. All our GREEN SILKLINE is guaranteed up to the high standard and mark. The sizes are F, fine; FF, medium; FFF, coarse. It is for sale by all the best jobbers. If you cannot get it of your jobbers, order direct of the manufacturer.

THE JOHN C. MEYER THREAD CO., LOWELL, MASS.

In writing advertisers kindly mention HORTICULTURE.

CARNATIONS

The best varieties, well grown, flowers of good keeping qualities. The Best in Carnations is always the cheapest in the end. For real satisfaction, send your orders in our direction.

THE LEO NIESSEN CO.

Wholesale Florists

BALTIMORE, WASHINGTON, PHILADELPHIA

READER!!

HELP Us to Continue
Producing the

BEST TRADE PAPER

Just Mention **HORTICULTURE**
When Writing to Advertisers

THE BEST LETTERS

FOR
FLORIST'S
USE

R

THOSE
MADE
BY THE

Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. McCarthy, Mgr.

Block Letters, \$2.00 per 100.

Script Letters, \$3.00 per 100.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock.

POEHLMANN BROS. CO.

Supply of Best Cut Flowers all the Year Around
72-74 EAST RANDOLPH ST., - - - CHICAGO.

If interested, send us your name and address for our weekly price list.

WELCH BROS. CO.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI Dec. 28		CHICAGO Dec. 28		BUFFALO Dec. 28		PITTSBURG Dec. 28	
Roses								
Am. Beauty, Special	15.00	to 40.00	25.00	to 30.00	30.00	to 40.00	35.00	to 50.00
" " Fancy and Extra	20.00	to 25.00	15.00	to 25.00	20.00	to 25.00	20.00	to 25.00
" " No. 1	8.00	to 15.00	10.00	to 15.00	15.00	to 20.00	10.00	to 15.00
Killarney, Richmond, Extra	9.00	to 10.00	6.00	to 8.00	10.00	to 12.00	10.00	to 15.00
" " Ordinary	3.00	to 5.00	2.00	to 5.00	6.00	to 10.00	4.00	to 8.00
Hillingdon, Ward, Sunburst, Extra	6.00	to 10.00	6.00	to 10.00	8.00	to 10.00	10.00	to 12.00
" " Ordinary	3.00	to 5.00	2.00	to 5.00	6.00	to 8.00	4.00	to 8.00
Maryland, Sawyer, Taft, Extra	8.00	to 15.00	6.00	to 8.00	8.00	to 10.00	10.00	to 15.00
" " Ordinary	4.00	to 6.00	2.00	to 5.00	7.00	to 8.00	6.00	to 8.00
Russell, Hadley, Ophelia	10.00	to 15.00	5.00	to 15.00	10.00	to 12.00	15.00	to 25.00
Carnations, Fancy	3.00	to 4.00	2.00	to 4.00	4.00	to 4.00	4.00	to 3.00
" " Ordinary	1.00	to 2.00	1.00	to 2.00	2.00	to 3.00	3.00	to 2.00
Cattleyas	40.00	to 50.00	35.00	to 50.00	40.00	to 50.00	65.00	to 75.00
Cypripediums	15.00	to 15.00	10.00	to 15.00	12.00	to 15.00	15.00	to 15.00
Lilies, Longiflorum	10.00	to 12.50	5.00	to 10.00	8.00	to 10.00	10.00	to 15.00
Lily of the Valley	3.00	to 5.00	3.00	to 4.00	4.00	to 5.00	3.00	to 4.00
Violets	1.00	to 1.50	1.00	to 1.50	.75	to 1.25	.50	to 1.25
Snapdragon	6.00	to 10.00	8.00	to 10.00	4.00	to 6.00	4.00	to 8.00
Narcissus, Paper White	2.00	to 3.00	2.00	to 3.00	2.00	to 2.50	2.00	to 3.00
Corn Flower	1.00	to 1.00	1.00	to 1.00	1.00	to 1.00	1.00	to 1.00
Freezie	1.00	to 1.00	1.00	to 1.00	3.00	to 4.00	4.00	to 1.00
Daffodils	1.00	to 1.00	1.00	to 1.00	5.00	to 6.00	6.00	to 1.00
Stevia	1.00	to 2.00	1.00	to 2.00	1.00	to 1.00	1.00	to 2.00
Sweet Peas	.75	to 1.00	1.00	to 2.00	.50	to 1.00	.75	to 1.50
Gardenias	1.00	to 20.00	1.00	to 25.00	25.00	to 30.00	30.00	to 50.00
Adiantum	1.00	to 1.00	1.00	to 1.00	1.00	to 1.25	1.00	to 1.25
Smilax	1.00	to 12.50	12.00	to 18.00	15.00	to 15.00	15.00	to 15.00
Asparagus Plumosus, Strigs (100)	50.00	to 50.00	35.00	to 50.00	40.00	to 60.00	35.00	to 50.00
" " & Spreng. (100 behs.)	25.00	to 35.00	25.00	to 35.00	25.00	to 35.00	20.00	to 25.00



G. E. CRITCHELL

"The" Wholesale Florist of Cincinnati
32-34-36 East Third Street

Consignments Solicited. Complete stock of Florists' Greens and Supplies.

Mention Horticulture when writing.

Wired Toothpicks

Manufactured by

W. J. COWEE, Berlin, N. Y.

10,000...\$1.75. 50,000...\$7.50. Sample free
For sale by dealers.

E. G. HILL CO.

Wholesale Florists

RICHMOND, IND.

Please mention Horticulture when writing

WILLIAM F. KASTING CO.

Wholesale Florists

383-387 ELLICOTT ST. - - - BUFFALO, N. Y.



Telephone 3860 Madison Square

WOODROW & MARKETOS

WHOLESALE

Plantmen and Florists

37 and 39 West 28th St., NEW YORK

EDWARD REID

WHOLESALE FLORIST

1619-21 Ranstead St., Philadelphia, Pa.

CHOICE BEAUTIES, ORCHIDS, VALLEY, ROSES
and all Seasonable Varieties of Cut Flowers

MICHIGAN CUT FLOWER

EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

264 RANDOLPH ST., DETROIT, MICH.

Flower Market Reports

BOSTON Boston had real New England Christmas weather—snow, ice, zero temperatures, sleighing, skating, parties, flowers and extremely busy florists in all parts of the trade. The day before Christmas was the coldest December 24th since 1872, a marked contrast to the same date last year when Indian summer and drizzling rain prevailed. Stock was plentiful; in fact, too much in some cases. It almost seemed as if the local growers had waited until Christmas to cut their entire year's product. There was a slight shortage in red flowers only. In direct contrast to the favorable report of holiday business done by the retailers comes the complaint from the salesmen in the markets that they could not secure satisfactory holiday prices. This is not surprising, considering the large supply on hand and the enormous sale of basket combinations of pine cones, alderberries, bayberries, etc., by the retailers. Wreaths, greenery and flowering plants all had a lively call. Azaleas and poinsettias sold best of all the potted stock. The wholesale houses bought heavily in the markets in order to fill their shipping orders. We would like to be able to say that this Christmas was a record-breaker, but that would certainly be an exaggeration. The truth of the matter is that the season was disappointing, except in a very few individual cases where extra efforts by way of advertising brought business up to its normal standard.

Wholesalers doing a shipping trade were badly discommoded by the tardiness of incoming express deliveries on Wednesday, goods being often several hours late and many outgoing orders had to be cancelled and the customers disappointed because the required material was not at hand. The express companies laid the blame on the slippery condition of the icy streets, and the overworked horses.

CINCINNATI The Christmas market was very weak. The supply was far

in excess of needs and prices were the lowest we have ever had for Christmas. Growers who pickled their stock in an effort to get holiday prices were badly stung, for the receipts of good stock easily satisfied the needs and the soft blooms had to go into the ash-barrel. Carnation growers were the worst offenders in this respect. Since Christmas day business has been rather slow and stock has accumulated greatly. Offerings in roses including fine American Beauties continue large and excellent in quality. Carnation receipts too, are very heavy but the quantity of fancy stock is rather limited. Lilies are plentiful. Offerings in violets, double and single, orchids and lily of the valley are excellent and sufficient.

CHICAGO A great disappointment awaited Chicago wholesalers Christmas week. Prices began going down early in the week and by the time local sales were heaviest the market had gone to pieces. No one knew where to stop when the drop began and everything went sliding down the scale, till in the panic some carnations were actually



KILLARNEY BRILLIANT

In wonderfully fine shape now,
deep rich colored buds, good size,
with better stems than at any time
this season.

Special	.....\$12.00 per 100
Fancy	..... 10.00 " "
Extra	..... 8.00 " "
Firsts	..... 6.00 " "
Seconds	..... 4.00 " "

A few exceptionally long at \$15.00 per 100

CATTLEYAS, \$6.00 per doz.
GARDENIAS, \$3.00 and \$4.00 per doz.
VALLEY, Special, \$4.00 per 100; Extra,
\$3.00 per 100.

S. S. PENNOCK-MEEHAN CO.

The Wholesale Florists of Philadelphia

NEW YORK
117 W. 28th St.

PHILADELPHIA
1608-1620 Ludlow St.

BALTIMORE
Franklin and St. Paul Sts.

WASHINGTON
1216 H St., N. W.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON Dec. 30		ST. LOUIS Dec. 28		PHILA. Dec. 28	
Roses						
Am. Beauty, Special	20.00	to 35.00	60.00	to 80.00	40.00	to 50.00
" " Fancy and Extra	15.00	to 20.00	30.00	to 40.00	30.00	to 40.00
" " No. 1	5.00	to 8.00	8.00	to 10.00	15.00	to 25.00
Killarney, Richmond, Extra	4.00	to 10.00	6.00	to 8.00	12.00	to 15.00
" " Ordinary	2.00	to 4.00	3.00	to 4.00	5.00	to 8.00
Hillingdon, Ward, Sunburst, Extra	1.00	to 8.00	8.00	to 10.00	10.00	to 12.00
" " Ordinary	1.00	to 2.00	4.00	to 6.00	6.00	to 8.00
Maryland, Shawyer, Taft, Extra	4.00	to 8.00	6.00	to 8.00	10.00	to 15.00
" " Ordinary	2.00	to 4.00	3.00	to 4.00	6.00	to 8.00
Russell, Hadley, Ophelia	4.00	to 15.00	.....	to 8.00	8.00	to 30.00
Carnations, Fancy	3.00	to 5.00	4.00	to 5.00	4.00	to 5.00
" " Ordinary	1.00	to 2.00	2.00	to 3.00	2.00	to 3.00
Cattleyas	35.00	to 50.00	50.00	to 60.00	50.00	to 60.00
Cypripediums	6.00	to 10.00	.....	to 15.00	.....	to 15.00
Lilies, Longiflorum	8.00	to 10.00	12.00	to 15.00	10.00	to 12.00
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Violets	.75	to 1.00	.....	to 1.00	.75	to 1.50
Snappedragon	3.00	to 4.00	.....	to 10.00	10.00	to 15.00
Narcissus, Paper White	2.00	to 3.00	3.00	to 4.00	2.00	to 3.00
Corn Flower	.50	to .75	.....	to 1.00	.....	to 1.00
Freezie	.....	to 1.00	.....	to 1.00	.....	to 1.00
Daffodils	.....	to 1.00	.....	to 1.00	.....	to 1.00
Stevia	.50	to 1.00	1.50	to 2.00	1.00	to 2.00
Sweet Peas	.....	to 30.00	.....	to 20.00	20.00	to 30.00
Gardenias	50	to 1.00	1.00	to 1.25	1.00	to 1.50
Adiantum	1.00	to 12.00	12.00	to 15.00	15.00	to 20.00
Smilax	25.00	to 40.00	35.00	to 50.00	.....	to 50.00
Asparagus Plumosus, Strings (100)	25.00	to 50.00	15.00	to 20.00	.....	to 50.00
" & Spreng. (100 Bchs.)	.....	.....	.....	.....	.....	.....

sold for ten cents per bunch. American Beauties were also in the worst of the decline and prices dropped to one-fifth of the earlier quotations. Many declare conditions to have been the worst they had ever experienced. There are some, however, who insist that the great quantity of flowers sold must bring an average not so far below the sales of other years, but there are but few who can find any grounds for such a hope. The cuts were enormous and a quantity of flowers were held back that should have been offered days before or not offered at all. Prices had been fixed without apparently a knowledge of the chances of the immense crops and could not hope to be maintained after shipping orders were filled. The American Beauties from the East did not arrive in very good condition, many of them were damaged in transit and many were evidently soft when shipped.

The plant men did a splendid business for Christmas. Practically every plant was sold excepting a few begonias and cyclamen of which there were an unusually large quantity grown this year. The large motor trucks made prompt delivery possible even in the extreme cold weather and few plants were lost.

The market has been very quiet following Christmas. Every one had flowers enough and the calls on the wholesalers are not sufficient to move the left-overs from Christmas day. Each day brings new cuts and so the new week opens with slow sales and an oversupply of almost all kinds of stock.

NEW YORK We have varying reports from the battlefield of last week. Some are certainly jubilant. One prominent retailer says that he "was agree-

Continued on page 3

H. E. FROMENT

Wholesale Commission Florist,
Choice Cut Flowers,
17 West 28th St. NEW YORK
Telephones: 2200, 2201, Madison Square.

Moore, Hentz & Nash

Wholesale Commission Florists
55 and 57 West 26th Street
Telephone No. 756
Madison Square **New York**

WM. P. FORD**Wholesale Florist**

107 W. 28th Street, NEW YORK

Call and inspect the Best Establishment
in the Wholesale Flower District.

GEO. C. SIEBRECHT

WHOLESALE FLORIST

109 WEST 28th ST

CONSIGNMENTS SOLICITED

PHONE { 608 / 609 } MADISON SQ., NEW YORK

JOHN YOUNG

Wholesale Florist

53 WEST 28th STREET NEW YORK CITY

Consignments Solicited

Phone 7362 Madison Square

THE KERVAN COMPANY

Ferns, Mosses, Wild Smilax, Galax,
Lonicera, Palmetto, Cycas, both fresh
cut and prepared.
Laurel, Hemlock, all Decorating Evergreens.
Tel. / 1503 / 1505 / Mad Sq. 119 W. 28 St., New York

REED & KELLER

122 West 25th St., New York

Florists' Supplies

We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Decorative Glassware, Growers and
Florists' Requisites

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS
28 Willoughby St., Brooklyn, N. Y.

M. C. FORD

121 West 28th St., NEW YORK

FINE ROSES, FANCY CARNATIONS

A Full Line of ALL CUT FLOWERS.
Telephone, 3870 or 3871 Madison Square

GEORGE B. HART

WHOLESALE FLORIST

ter, N.Y.

P. J. SMITH

Successor to JOHN I. RAYNOR

Wholesale Commission Florist SELLING AGENT FOR
LARGEST GROWERS

A full line of Choice Cut Flower Stock for all purposes.
The HOME OF THE LILY by the 100, 1000 or 10,000.

TEL. 1908 MADISON SQUARE 49 West 28th St., New York City

ALBANY CUT FLOWER EXCHANGE

THOMAS TRACEY, Mgr. 611 Broadway, ALBANY, N. Y.

WHOLESALE ONLY
SAVE TIME AND MONEY BY SENDING YOUR ORDER TO US
Prices Right. Consignments Solicited. Telephone Connection

HEADQUARTERS FOR NOVELTIES

ORCHIDS A SPECIALTY

THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND

GARDENIAS, DAISIES, ROSES AND CARNATIONS

JAMES McMANUS, Tel. 759, Mad Sq. 105 W. 28th St., New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS

	Last Half of Week ending Dec. 26 1914		First Half of Week beginning Dec. 28 1914	
American Beauty, Special	50.00	to 75.00	40.00	to 50.00
" " Fancy and Extra	35.00	to 45.00	30.00	to 40.00
" " No. 1	1.00	to 16.00	10.00	to 20.00
Killarney, Richmond, Extra	8.00	to 15.00	8.00	to 20.00
" " Ordinary	2.00	to 4.00	4.00	to 8.00
Hillingdon, Ward, Sunburst, Extra	8.00	to 15.00	8.00	to 19.00
" " Ordinary	2.00	to 4.00	3.00	to 8.00
Maryland, Shawyer, Taft, Extra	8.00	to 15.00	8.00	to 19.00
" " Ordinary	2.00	to 4.00	3.00	to 8.00
Russell, Hadley, Ophelia	6.00	to 25.00	8.00	to 15.00
Carnations, Fancy Grade	3.00	to 6.00	3.00	to 4.00
" " Ordinary	1.00	to 9.00	1.00	to 2.00

Centrally Located, The Hub of the Flower Market Section

CHARLES MILLANG

Wholesale Florist

55 and 57 W. 26th Street, NEW YORK

Telephone 7062 Madison

BADGLEY, RIEDEL & MEYER, Inc.

WHOLESALE FLORISTS, 34 West 28th St., New York

Telephones { 1664 / 1665 } Madison Square

CONSIGNMENTS SOLICITED

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Wholesale Commission Dealer in

CHOICE CUT FLOWERS

133 West 28th Street, New York

Telephone—3532-3533 Madison Square

Frank H. Traendly Charles Schenck

TRAENDLY & SCHENCK

Wholesale Florists

131 West 28th St., New York

Telephones: 798 and 799 Madison Square
Consignments Solicited

Established 1887.

Still Going Strong.

J. K. ALLEN

OLDEST IN YEARS BUT UP-TO-DATE IN SERVICE

106 WEST 28TH ST., NEW YORK

Opens 6 A. M. daily.

Telephone, 167 and 4468 Mad. Sq.

**GUTTMAN & RAYNOR, Inc.**

A. J. GUTTMAN, President.

Wholesale Florists

101 W. 28th St., NEW YORK

We have 20 years' experience behind us.
Telephone, Madison Square 896 and 897.

KOMADA BROS.

Manufacturers of all Kinds of

WIRE DESIGNS and FLORISTS SUPPLIES

1008 Vine St., PHILADELPHIA, PA.

Flower Market Reports

(Continued from page 21)

ably disappointed. The business outlook had been very blue but a few days before Christmas the sunshine of prosperity came out in the rifts between the clouds and we had a much more satisfactory trade than we expected. The cut flower trade was satisfactory and the stock certainly good. Exotic plant baskets were purchased in preference to those composed of flowering plants." From a leading wholesale firm we learn that they found their "rose business satisfactory and the Beauty business gave us their stock as we wanted it and profited by this course to the extent of \$1.00 or \$2.00 per 100 over and above what could have been realized had the stock been held back until the 24th." Other than the above the market report from this firm and from all others in the wholesale section are far from favorable and many of the retailers also confess to a falling off of 25 to 35 per cent from the normal Christmas business. But it is true that this was not unexpected and most of them acknowledge that they might easily have been much worse off.

All stock seemed to be of exceptionally good quality. Of course, there was the usual "pickling" by some of the growers who will not learn, and there was nothing that was really scarce. On Thursday morning business looked very promising in the wholesale district and considerable business was done but at about midnight Thursday, business shut off completely until Saturday, the 26th, and then there was only a moderate business done. As was expected, carnations flooded the market. They seemed to be just on crop. The highest price asked for the red varieties was 6c., the majority of this color selling for 3c. Other varieties of fine quality sold for \$10 to \$40 per thousand. Violets were equally plentiful. While some very best, 100 in a bunch, sold for 75c., quantities were sold for \$3.50 to \$5 per thousand and box after box was carried over and even today remain unsold. Never before probably had there been so many roses in this market. As in the case of violets and carnations, thousands were carried over and are still visible in the ice boxes. Red roses sold from \$4 per hundred to \$15 per hundred; but as is always the case, some especially fine blooms sold for 25c. or more. Yellow roses were abundant. The highest price on Sunburst was 20c. More sold at 15c. and from that down to 4c. The same with Aaron Wards. Arenbergs were in limited supply and while some of these were of poor quality, some higher grade blooms met with ready sale, 30c. being the very top. Ophelia, in limited supply, sold well. Rostands were a disappointment and did not clear out well. Irish Fireflame, not so plentiful, sold at \$3 and \$5 per hundred. Killarneys everywhere, 12c. being an exceptionally high figure for the pink varieties, down to 3c. for the smaller grades. About the same price prevailed for Taft and Killarney Brilliant. White Killarneys and other varieties of white roses were almost unsalable and were carried over in large quantities and will have to be cleared out this week at ridiculously low prices.

FANCY OR DAGGER FERNS

New Crop Fancy Ferns - - - \$0.75 per 1000
Dagger Ferns - - - .75 per 1000

Discount on large orders

USE OUR LAUREL FESTOONING

For your decorations, made fresh daily from the woods, 4c, 5c and 6c per yard

Tel. Office, New Salem, Mass.
L. D. Phone Connection.



Bronze and Green Galax, \$1.00 per 1000;
\$7.50 per case of 10,000.
Sphagnum Moss, large sack, only 40c.
Pine by the pound, 8c., or by the yard.
Branch Laurel, 35c. for a large bundle.
Southern Smilax, 50-lb. cases, \$5.00.
Green and Bronze Leucothoe Sprays, \$3.00 per 1000.

Fine Boxwood, \$7.50 per 50-lb. case.
Order in advance.

Write, wire or telephone 13 R4.

CROWL FERN CO., Millington, Mass.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Dec. 26 1914		First Half of Week beginning Dec. 28 1914	
Cattleyas	15.00	to 50.00	15.00	to 50.00
Lilies, Longiflorum	6.00	to 8.00	6.00	to 8.00
" Rubrum	2.00	to 4.00	2.00	to 5.00
Lily of the Valley	1.00	to 4.00	1.00	to 4.00
Violets .....	.50	to .75	.50	to .75
Snapdragon	4.00	to 8.00	4.00	to 8.00
Narcissus, Paper White, Roman Hyacinths	1.00	to 2.00	1.00	to 2.00
Corn Flower	1.00	to 2.00	1.00	to 2.00
Stevia .....	.....	to 1.00	.....	to 1.00
Mignonettes	4.00	to 8.00	4.00	to 8.00
Lilac (per bunch) .....	.....	to 1.00	.....	to 1.00
Sweet Peas (per 100 bunches)	4.00	to 10.00	4.00	to 10.00
Gardenias	15.00	to 35.00	15.00	to 35.00
Adiantum .....	.50	to .75	.50	to .75
Smilax	8.00	to 10.00	8.00	to 10.00
Asparagus Plumosus, strings (per 100)	25.00	to 30.00	20.00	to 35.00
" & Spren (100 bunches)	20.00	to 35.00	20.00	to 35.00

American Beauties seemed to be the one bright spot in the market. Earlier in the week the asking price was 60c. to 75c. and it is safe to say that the majority of the blooms of good quality cleared out at this figure, but on Christmas eve and Christmas morn, the supply having shortened up, \$1 was asked and obtained. Shawyers ranged in price the same as Pink Killarneys. Russells were only in limited supply. There were a few Hadleys which sold well. Richmond was unquestionably in oversupply and did not begin to realize the prices of former years, 25c. being the outside figure for a very special bloom, while there were several thousand that were sold from \$5 to \$12 per hundred. Many of the Richmonds seen on the market were small flowers with weak necks and the retailers were shy in giving orders for them.

Another disappointing feature in the market were the orchids. The report had gone abroad for some weeks that there would be practically no supply of orchids for Christmas, but the contrary was the case, and they arrived by the hundreds on Thursday, with the result that today many wholesalers' windows have cattleyas of fine quality carried over from Christmas which will be compelled to be sold at low figures. Lily of the valley, too, was overplentiful. Lilies were very abundant at \$6 and \$8 per hundred. Gardenias quite equal to the demand at moderate prices. The novelty of Christmas with one of the wholesalers was a large display of gladiolus blooms. Rubrum lilies did not go at all. There were still a great many chrysanthemums in the market which met with only a moderate demand. Asparagus cleared out nicely, but the Southern was rejected on account of its dropping off. Mignonette of the best quality that was very fine indeed

sold from 75c. to \$1 per dozen. There were a few yellow Trumpets in the market bringing 75c. per doz. A limited supply of daphne, \$3 per doz. Poinsettias had a very light demand at \$2 per doz.

A great many shipments of flowers were received frozen stiff; in fact, the damage from frozen flowers this Christmas was much more than in any previous years, and the loss on this account will be very extensive. One of the wholesalers had a shipment of several hundred sprays of pure white lilac from Holland that had been shipped on Dec. 10, but owing to the delay of the steamer getting in, the lilac when unpacked was unsalable, but the grower of this lilac who accompanied the shipment claims that they can be shipped to reach here in good shape.

In the plant line ardisias and azaleas were a drug and many of them were left over unsold in the stores.

PHILADELPHIA Nineteen hundred and fourteen was distinctively a retailers' Christmas week. On the 23rd, when they saw stock coming in freely they began to hammer things. And they got it their own way. They could buy at their own figures and they did it—relentlessly. Prices broke badly all along the line and at the windup there was a big lot of stuff left unsold—no takers at any price. We have heard nothing of the retailers abating their prices. So far as we can learn—they gobbled it all, and let nothing go to their customers. The only bright spots are American Beauties, Lily of the valley and violets, Beauties here, through the good judgment of the growers and wholesalers, were listed reasonable—and much outside business came along. Specials

(Continued on page 24)

Buyer's Directory and Ready Reference Guide

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AMPELOPIS

Ampelopsis, Vine, 1 ft. to 1 1/2 ft. strong roots and tops, 3 to 4 ft., \$8.00 per 100; 2 yr. strong, 2 to 3 ft., \$10.00 per 100, \$25.00 per 1000; 2 yr. good, 18 to 21 in., 50 by parcel post, \$8.00; \$8.00 per 100, \$25.00 per 1000, by express. All packed to carry safely without extra charge. CHAS. BLACK, Hightstown, N. J.

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BAY TREES—Standard and Pyramids. All sizes. Price List on demand. JULIUS ROEHR'S CO., Rutherford, N. J.

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Old Town Nurseries, M. P. Haendler, Prop., So. Natick, Mass.

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Folding cut flower boxes, the best made. Write for list. HOLTON & HUNKEL CO., Milwaukee, Wis.

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C. KEUR & SONS, HILLEGOM, Holland
Bulbs of all descriptions. Write for prices.
NEW YORK Branch, 8-10 Bridge St.

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Canna Specialists.
Send for Canna book.
THE CONARD & JONES COMPANY,
West Grove, Pa.

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Cottage Gardens Co., Inc., Queens, N. Y.
Carnations—Methodless a Great Success.
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New Carnation Alice.
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CARNATION STAPLES

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 1000 for 35c.; 3000 for \$1.00 post paid. I. L. PILLSBURY, Galesburg, Ill.

Supreme Carnation Staples, for repairing split carnations, 35c. per 1000; 3000 for \$1.00. F. W. WAITE, 85 Belmont Ave., Springfield, Mass.

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Wood Bros., Fishkill, N. Y.
Chrysanthemums Rooted Cuttings.
For page see List of Advertisers.

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CHRYSANTHEMUM STOCK PLANTS—50 standard varieties, \$300 per 100; 00c. per doz. H. ROLLÉ, Hammoncton, N. J.

CINERARIAS

1. S. C. Mixed Cinerarias, ready for 5w. 112 strong plants, three varieties per hundred. E. G. BLANEY, 103 Burdett street, Swampscott, Mass.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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CYCLAMENS

Thomas Roland, Nahant, Mass.
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DAHLIAS

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange. GEO. H. WALKER, Dahlia Expert, North Dighton, Mass.

DAHLIAS.

Send for Wholesale List of whole clumps and separate stock; 40,000 clumps for sale. Northboro Dahlia and Gladiolus Gardens, J. L. MOORE, Prop., Northboro, Mass.

NEW PAEONY DAHLIA

John Wamaker, Newest, Handsomest, Best, New color, new form and new habit of growth. Big stock of best cut-flower varieties. Send list of wants to PEACOCK DAHLIA FARMS, Berlin, N. J.

ALEXANDER'S QUALITY DAHLIAS are the best on the market; 800,000 Clumps to offer, at rock bottom prices, in full field clumps, and strong divisions. If you are looking for stock for your 1915 Catalogue, or for forcing, send at once for free catalogue. J. K. ALEXANDER, "The Dahlia King," East Bridgewater, Mass.

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DECORATIVE PLANTS

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Woodrow & Marketos, New York City.
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Bobbink & Atkins, Rutherford, N. J.
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Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

EVERGREENS

F. E. Conine Nursery Co., Stratford, Conn.
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FUCHSIAS

Fuchsias—Black Prince, Speciosa, double
purple and white, Rooted Cuttings, \$1.00
per 100; 2 1/4-in., \$2.00 per 100.
W. J. BARNETT, R. D. 67, Sharon, Pa.

FUNGINE

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A. Henderson & Co., Chicago, Ill.
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Gladiolus—Shakespeare, Hyde Park,
Morning Star. Good for Florists' use.
First and second sizes. Write for prices.
HERMAN H. BAER, New Hyde Park, N. Y.

America, Augusta, Mrs. King, Halby
(early), Chicago White (early), Klondike,
Princes, Taconic, Golden King, Peace,
Niagara, Victory, Mrs. F. Pendleton, small
sizes, low prices. Write. HOMER F.
CHASE, Lawrence, Mass.

GLASS

Sharp, Partridge & Co., Chicago.
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Greenhouse glass, lowest prices. JOHN-
STON GLASS CO., Hartford City, Ind.

GLASS CUTTERS

Smith & Hemenway Co., New York City.
Red Devil Glass Cutter.
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H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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GOLD FISH.

Gold fish, aquarium plants, snails, cas-
ties, globes, aquarium, fish goods, nets,
etc., wholesale. FRANKLIN BARRETT,
Breeder, 4815 D St., Olney, Philadelphia,
Pa. Large breeding pairs for sale. Send
for price list.

GREENHOUSE BUILDING MATERIAL

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Stearns Cypress.

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Hitchings & Co., New York City.

Pierson U-Bar Co., New York City.

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Iron Gutters.

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Florists' Hail Asso. of America.
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Hardwood Ashes for sale. GEO. L.
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HOT-BED SASH

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STANDARD HOT BED SASH—\$0c. each
Glass, 6 x 8, 8 x 10, 10 x 12 or 10 x 14, \$1.50
per box. C. N. ROBINSON & BRO., Dept.
29, Baltimore, Md.

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Nico Fume Liquid and Paper.
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IVY

English Ivy from field, 20 to 30 in., \$3.00;
from pots, 30 to 40 in., \$5.00 per 100.
CHARLES FROST, Kenilworth, N. J.

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In writing to Advertisers kindly mention Horticulture

LILY OF THE VALLEY

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August Rolker & Sons, New York City.
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PEONIES

Peonies—The world's greatest collection.
1200 sorts. Send for list. C. BETSCHER,
Canal Dover, O.

PECKY CYPRESS BENCHES

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PIPE AND FITTINGS

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PLANT TRELLISES AND STAKES

Seel's Tieless Plant Stakes and Trellises.
H. D. SEELE & SONS, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

PLANTS WANTED

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Rose Specialists.

THE CONARD & JONES COMPANY,
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California Seed Growers' Association,
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Braslan Seed Growers Co., San Jose, Cal.
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Sluis & Groot, Enkhuizen, Holland.
Wholesale Growers of Vegetables and
Flower Seeds.

SEEDS

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Sluis & Groot, Enkhuizen, Holland,
Wholesale Growers of Vegetable and
Flower Seeds.

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Geo. N. Barrie, Brookline, Mass.
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SNAPDRAGONS

SNAPDRAGONS — Ramsburg's Silver
Pink, and Buxton's Pink for planting
after 'Mums; 2 1/2-in. pots, \$2.50 per 100.
SUNNYSIDE GREENHOUSES, R. F. D.
No. 7, Schenectady, N. Y.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and
orchid baskets always on hand. LAGER
& HURRELL, Summit, N. J.

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SPIREAS

James Vick's Sons, Rochester, N. Y.
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STANDARD REGISTERING THERMOMETERS

Standard Thermo Co., Boston, Mass.
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STOVE PLANTS

Orchids—Largest stock in the country—
Stove plants and Crotons, finest collection.
JULIUS ROEHRS CO., Rutherford, N. J.

SWEET PEA SEED

Ant. C. Zvolanek, Lompoc, Calif.
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Wirework. Write for our catalogue.
HOLTON & HUNKEL CO., Milwaukee, Wis.

WILLIAM E. HEILSCHER'S WIRE
WORKS, 264 Randolph St., Detroit, Mich.

WHOLESALE FLORISTS
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New Offers In This Issue**DOUBLE WHITE KILLARNEY
ROSES.**

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NEW CROP FLOWER SEEDS.

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ROSE KILLARNEY BRILLIANT.

S. S. Pennock-Meehan Co., Philadelphia, Pa.
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**TWO OF PERNET-DUCHER'S BEST
ROSES.**

Henry A. Droer, Philadelphia, Pa.
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WANTS, FOR SALE, Etc.**SITUATIONS WANTED**

SEEDSMAN well equipped in general knowledge of the business; long experience in stock, order and store departments; duties of position have exercised tact, judgment and business qualities generally; though slow in changing positions, have kept up with the broadening tendency of the seed business; a good investment for some progressive seed firm. DENNIS KENNA, 436 Amity St., Flushing, N. Y. (Flushing is in New York City, Borough of Queens).

FOR SALE**Florists' Attention**

We have on hand ready for shipment all material necessary for the superstructure of a **MODERN IRON FRAME LUTTON GREENHOUSE**, 42 ft. wide x 150 ft. long. We will dispose of this material for \$1300. F. O. B. our Factory. Remember everything is new and strictly first class; just the same kind of a house that has made the LUTTON Reputation. We will send you even the **GALVANIZED NAILS, BOLTS AND SCREWS** for assembling the house. Plans sent on request.

William H. Lutton Company

Jersey City, N. J.

FOR SALE—Fresh from factory, new; 10 x 12, 16 x 18, 16 x 24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money. **PAR-SHELSKY BROS., INC.**, 215-217 Havemeyer St., Brooklyn, N. Y.

**BAILEY'S NEW STANDARD
Cyclopedia of Horticulture**

Six large quarto volumes. More than 3,600 pages. 24 exquisite full-page color plates. 96 full-page sepia halftones and more than 4,000 text engravings. 500 collaborators. Approximately 4,000 genera, 15,000 species and 40,000 plant names.

The new Standard Cyclopedia of Horticulture has been freshly written in the light of the most recent research and experience. It is not merely an ordinary revision or corrected edition of the old Cyclopedia, but it is a new work from start to finish with enlarged boundaries geographically and practically; it supersedes and displaces all previous editions or reprints of every kind whatsoever. It is both an Encyclopaedia and a Manual, for with the aid of its Synopsis and Key, amateur and professional alike may quickly identify any plant, shrub or fruit contained within the set, and then receive expert instructions for its cultivation. Price \$6.00 per volume. Two volumes have now been issued and the others will follow in succession. Order from

HORTICULTURE PUBLISHING CO.

11 Hamilton Place, Boston, Mass.

In writing to Advertisers kindly mention Horticulture

Flower Market Reports

(Continued from p. 27)

brought from 50 to 75 cents and were well cleaned up where we hear that in other cities they are things too high at the start and so that error busted the market and let outsiders capture it. We hear that Chicago started special Beauties at \$1 and wound up with 25 cents. Nothing like that happened here. All the same, growers generally will not get anywhere near 1913 returns, on their general products.

The florists are just winding up their Christmas rush, and to say that business has been up to expectations is putting it mildly. With fair weather, the downtown district has been thronged for the last four days, and during that time the florists, both wholesale and retail, have hardly had time to eat or sleep. The full returns for the Christmas trade will not be known for several days, but an enormous business has been done, not only down town, but even in the small shops in outlying districts; and any fear that the demand would run to cheap goods seems to have been without foundation. In fact, it is impossible at the moment to report any particular line as a leading feature, aside from the usual holly and greens, and the heavy movement of potted goods of all descriptions. Azaleas, both European importations and those from the Japanese gardens, have had a very large sale; and so have poinsettias, some of the latter offerings from local hothouses being fully equal to anything from other quarters. Begonia and cyclamen plants also have found a great demand, and orchids in pots have attracted considerable attention. As for cut flowers, roses are about at their best, and a very large cutting has been practically cleaned up, bringing very good prices, with little distinction as to varieties. A considerable part of the local cut was of course taken for northern shipments. Warmer weather has helped the violets a little, but hardly in time to give an adequate supply for the shipping trade. Carnations have advanced, as expected, with hardly enough to meet the demand. Lily of the valley has been quite plentiful up to Christmas eve, and is not likely to run short in the few hours remaining, though they are moving well. Some very fine large gardenias have come in, and are quickly snapped up. The cut of orchids has been fair, but will be closely cleaned up.

ST. LOUIS Christmas business this year was, from reports, as good as any heretofore. The plant trade was even greater than any we have had. Nearly all the retailers were sold out of anything in the plant line by Friday noon. The high quotations on cut flowers early in the week had caused the store men to lay in an extra supply of blooming plants and push them instead of cut flowers. Poinsettias, azaleas, Lorraine begonias and cyclamen were the leading plants in demand and good prices were obtained for them. Weather conditions on Thursday were good for delivery, needing only light covering, but on Friday it was close to zero and many deliveries were reported frozen. On

Pulverized Sheep Manure From Big Feeding Barns No Adulteration—No Weed Seeds



THIS IS THE BRAND
GUARANTEED PURE

Sheep's Head Manure is the cleanest in America. Here are the big covered corrals of the railroads, where the sheep are unloaded and kept from 60 to 90 days to fatten for the Chicago market.

We Guarantee

our product to be absolutely clean — no pig manure or other adulteration — nothing but sheep manure — dried and pulverized for easy handling, and all the weed seeds killed.

Some of the largest growers in the East have used our product for years.

Shipped in 100 lb. sacks

Write for quotations and freight rates

NATURAL GUANO CO.

815 River Street

Aurora, Ill.

Friday morning the flower prices came down and the demand increased somewhat—the market afforded everything in season and at the last minute plenty of it. This holding back of the stock by the growers caused these conditions and they are alone to blame. All seemed to have forgotten former experiences in this respect. Roses were a glut, Beauties came down from \$12 to \$8 per dozen. Carnations also suffered badly in the cut. There was a scarcity in Roman hyacinths, sweet peas and violets. These alone cleaned up. Paper Whites, lily of the valley and poinsettias were in plenty at usual prices. The plant grower had a harvest this year but the cut flower growers were not happy. After inspecting the different retail establishments after the rush of Friday we can safely say that the florists of this city are well satisfied with their holiday business.

WASHINGTON

exceptionally good and reported to have been better than that of last year. Several of the florists report having made more large sales than ever before and this is accounted for by the fact that the people gave fine flowers rather than the more expensive pieces of jewelry. Practically all of the stores had to double their forces. The snow storm of the day before served to delay deliveries to some extent, but everything was pretty well cleaned up by noon of Christmas day, although many plants were frozen while on the wagons and automobiles. All plants

sold well. There was a heavy demand for Begonia Glory of Cincinnati, in sizes from \$1.50 to \$5. Cyclamen and azaleas also were popular. There were hardly enough poinsettias to go around. American Beauty roses cleaned up very well. Orchids and gardenias were sold out. Violets and sweet peas were in extra heavy demand. Lily of the valley was one of the few flowers that did not bring more than the regular price. Pussy willow made its appearance for the holiday trade, but met with few buyers. The two flowers that hung fire were narcissi and chrysanthemums.

Canal Dover, Ohio.—With workshops running one-third to one-half time, everyone complaining of hard times, we are away ahead of 1913 in local sales. Christmas very good. Carnations first call; roses in good demand; pot plants in increasing demand. Boxwood and holly wreaths freely called for. Now for the largest Valentine Day, Easter and Memorial Day in our history. C. BETSCHER.

VISITORS' REGISTER.

New York—W. R. Pierson, Cromwell, Conn.

Boston.—H. F. Winter, of New York, representing Sutton & Sons, Reading, England; J. J. Lane, of Garden Magazine, Garden City, N. Y.; L. W. Wheeler, Gilroy, Cal.

The next meeting of the New York Florists' Club will be on Jan. 11, when the interesting ceremony of installing officers will take place.

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8-lb. can	\$10.50
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288 sheet can	\$7.50
144 sheet can	4.00
24 sheet can	.85

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Non-poisonous and harmless to user and plants. Leading Seedsmen and Florists have used it with wonderful results.

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Effective where others fail.

½ Pint...25c; Pint...40c; Quart...75c
 ½ Gal., \$1.25; Gal., \$2.00; 5 Gal. Can. \$9
 10 Gal. Can...\$17.50

Dilute with water 30 to 50 parts.

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We offer the genuine in original cwt. Sacks, at:
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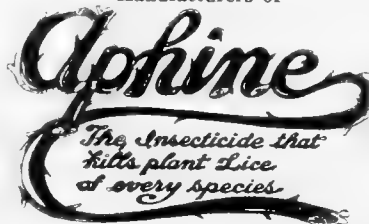
Samples of 14 ounces, prepaid by mail, 45c. Larger quantities will be furnished as follows: Ten pounds, \$3.00; twenty-five pounds, \$6.00; fifty pounds, \$10.00. F. O. B. Adrian, Mich. One ounce is sufficient for ten gallons. Full directions accompany each package. Prepared and Sold only by ELMER D. SMITH & CO., Adrian, Mich.

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A spray remedy for green, black, white fly, red spider, thrips, mealy bug and soft scale.

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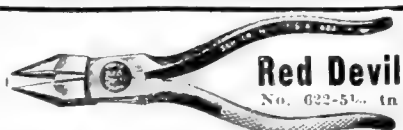
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street, one houseAlton, Ill.—George Madsen, addi-
tions.Thompson, O. Mrs. J. C. Scott, one
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one house.Hughsonville, N. Y.—Alex. A. Laub,
house, 24x150.Reading, Pa.—Penn Floral Co., King
house, 25x100.Georgetown, Mo.—H. H. Meier &
Son, one house.Baldwinsville, Mass.—Herbert S.
Morley, one house.Horseheads, N. Y.—Frank Mallory,
vegetable house 21x60.Marshfield, Wis.—T. D. Hefko, ad-
ditions and alterations.Carson City, Mich.—Carson City
Floral Co., house, 24x92.Somerton, Pa.—Geo. W. Mackenzie,
conservatory and greenhouse.Hackettstown, N. J.—Marshall Mor-
gan, Warren street, one house.Philadelphia, Pa.—Louis Landgraf,
Bridge and Walker streets, house
16x50.**FIRES.**Trenton, N. J.—The six-story build-
ing of Martin C. Ribsam was badly
damaged by fire December 19th. The
loss is estimated at \$30,000, and the
origin of fire is unknown.The conservatories on the Quincy A.
Shaw estate, Jamaica Plain, Mass.,
were damaged badly on Saturday night,
Dec. 26, by a fire which started in the
boiler house. The loss on the build-
ings is estimated at \$3,500. In addition
many fine plants were ruined.News has just been received of the
partial destruction of the Sol. Garland
range of greenhouses, at Desplaines,
Ill. The original cause was fire
and this was followed by the explosion
of the boilers, making the loss much
greater. Only a meagre report has
come at this time and no estimate of
the loss can be given.Hand honed like a razor. Tested to cut
the finest bouquet wire. Handles fit
your hand like a glove. At your dealer
or from us for 70 cents.**SMITH & HEMENWAY CO.**

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**DREER'S**Florist Specialties.
New Brand. New Style.Hose "RIVERTON"
Furnished in lengths up
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joint.

The HOSE for the FLORIST

3/4-inch, per ft., 15 c.

Reel of 500 ft., " 14 1/2 c

2 Reels, 1000 ft., " 14 c

3/4-inch, " 13 c

Reels, 500 ft., " 12 1/2 c

Couplings furnished

HENRY A. DREER,

714 Chestnut St.,

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**STANDARD FLOWER-
POTS**If your greenhouses are within 500 miles
of the Capitol, write us, we can save
you money.**W. H. ERNEST**

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NEWS NOTES.Rhineland, Wis.—Gjestrum &
Hanford have started a nursery here.Sacramento, Calif.—J. C. Scrogg &
Co., 28th and L streets, will open a
nursery January 1.Hartford City, Ind.—John S. Leach's
greenhouses have been purchased by
Henley Bros., of Carthage.Norristown, Pa.—James Devine has
sold his interest in the Wayside Floral
Shop to his partner, Russell E. Craw-
ford, who will continue the business
along.We have received a big pencil with
the compliments of the Albany Cut
Flower Exchange. We hope that the
business of the A. C. F. E. will be as
big in proportion as the pencil is, and
as we know the facilities and enter-
prise of the A. C. F. E. to be.**GLASS**Greenhouse Material
Hot Bed SashesOur prices can be had by mail, and
it will pay you to get them. We carry
the largest stock of Specially Selected
Glass in Greater New York and can
supply any quantity from a box to a
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Rock Bottom Prices.**PARSHELSKY BROS. Inc.**

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a whole lot of folks wishing they had
installed**Skinner Irrigation**for the economical and proper water-
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lawn.

SAVE MONEY BY DOING IT NOW

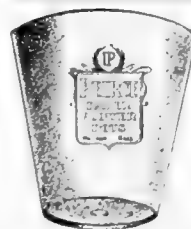
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August Noller & Sons, 51 Barclay St., N. Y. City, Agents

OUR SPECIALTY — Long Distance and Trade Export

The best PAPER
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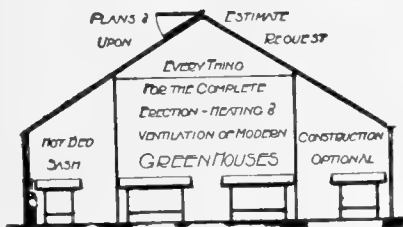
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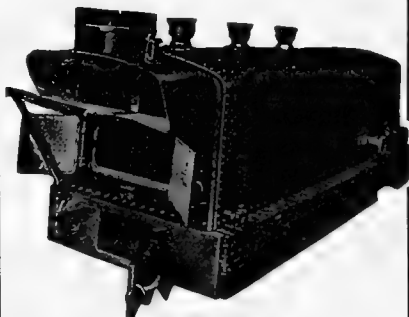
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Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts. The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

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THE BIG "IRON FRAMER" IS 72 x 500.

We furnished the materials, and they erected it. Mr. Harvey states that it took only six days after the side posts were set, and the eave plate on, to put up the complete iron frame. In nine days more, it was all glazed. To use Mr. Harvey's words — "Everything went together just like clock work."

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"**W**E wish to express our sincere appreciation to you, for your kindness in having our truss houses repaired. We think we will have no further trouble with these houses, as the roofs now seem to be thoroughly supported.

It is only another instance of the pleasant

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It was the sweet peas grown in this last big Iron Frame house, that walked away with so many prizes at the New York Show last spring. The stems ran from 12 to 16 inches, carrying four blooms. The Easter week cut was 200,000. In spite of losing a \$5,000 tomato crop, this house produced its cost the first year.

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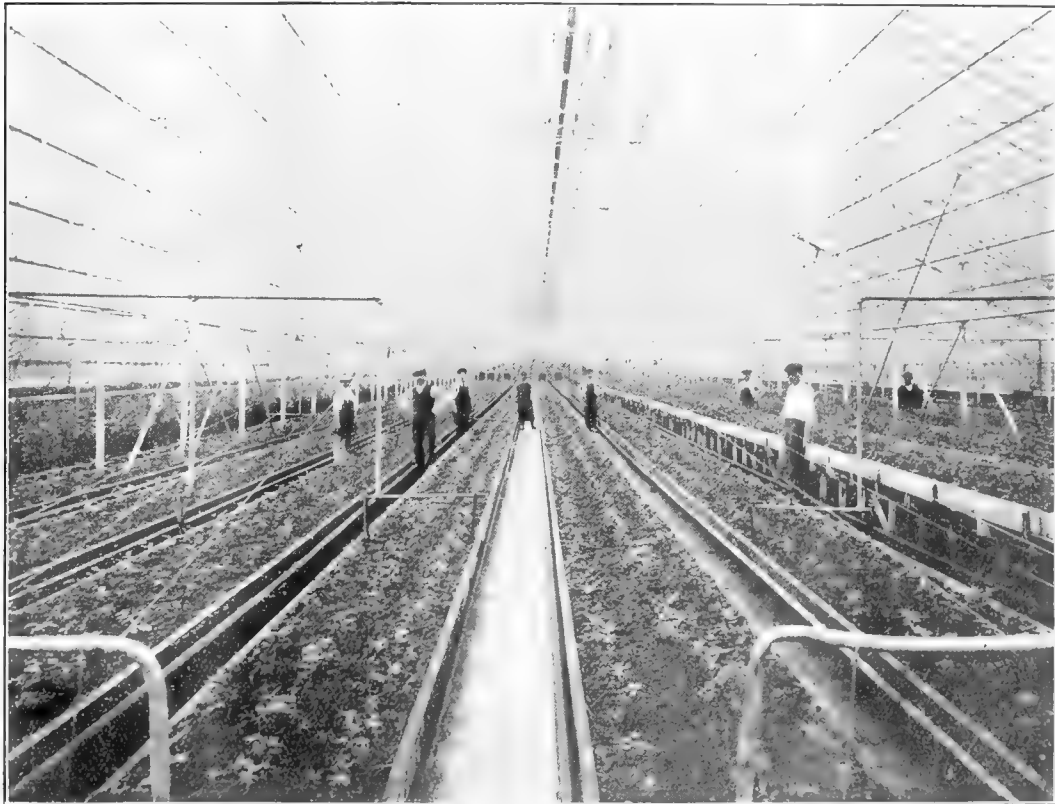
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Vol. XXI
No. 2
JAN. 9
1915

HORTICULTURE



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At A. N. Pierson's, Cromwell, Conn.

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1000 Mixed	at \$15.00
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1000 Cramoie Brilliant	10.00
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875 Pottebakker Scarlet	11.25
3100 Vermilion Brilliant	16.50

SINGLE WHITE TULIPS.

3000 Joost Von Vondel	23.00
11,000 La Reine	6.00

SINGLE PINK TULIPS.

900 Cottage Maid	7.00
400 Duc Van Thol	10.00
375 Flamingo	34.00
300 Jenny	26.00
600 Pink Beauty	32.00
880 Prosperpine	23.00
2000 Boddington's Mixed	6.50

SINGLE YELLOW TULIPS.

2250 Chrysolora	8.50
520 Duc Van Thol	12.50
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3950 Yellow Prince	8.50

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1700 Duchesse de Parma	8.50
2300 Joost Von Vondel	24.00
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DOUBLE RED TULIPS.

3400 Imp. Rubrorum	16.50
825 Rex Rubrorum	15.50
1600 Vuurbaak	20.50

DOUBLE YELLOW TULIPS.

650 Couronne d'Or	19.25
290 Tournesol	20.00

DOUBLE PINK TULIPS.

1500 Lord Beaconsfield	18.00
6500 Murillo	10.00
525 Salvator Rose	14.00

DOUBLE WHITE TULIPS.

700 Alba Maxima	10.00
575 Boule de Neige	28.50
1900 La Candeur	10.00

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3000 Single Fine	5.00
3500 Double Fine	7.25
5300 Single Superfine	6.00
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HYACINTHS, SINGLE.

25,000 Mixed, to color	26.00
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9000 Mixed, to color	27.50
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MINIATURE HYACINTHS.

100 Charles Dickens, blue	20.00
900 Charles Dickens, rose	20.00
600 King of Blues	22.00
900 Garibaldi	20.00
1800 Czar Peter	21.00
2100 Gertrude	20.00

MINIATURE HYACINTHS—Continued

2650 Gigantea	1000
1000 Grand Blanche	at \$20.00
700 Grandeur a Merveille	21.00
700 Grand Lilas	20.00
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900 Marie	22.00
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660 Moreno	21.00
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3500 Queen of Blues	20.00
600 Roi des Belges	20.00
1100 Schotel	22.00
1700 Yellow	25.00

FRENCH ROMAN HYACINTHS.

10,000 White, 11-12	21.00
8000 White, 12-15	27.50
18,000 White, 13-15	31.50
2500 Light Blue	20.00
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NARCISSUS DOUBLE.

1200 Von Sion, Extra, 1st size	15.00
2200 Von Sion, 1st size	12.00
1400 Incomparable, fl. pl.	10.00
2300 Orange Phoenix	10.50
400 Sulphur Phoenix	10.50
4500 Boddington's Double Mixed	8.50

NARCISSUS POLYANTHUS.

250 Soleil d'Or	17.50
7250 Double Roman	8.00
100 Grand Primo	12.00
900 Staten General	12.00

SINGLE TRUMPET NARCISSUS.

150 Ard Righ	24.00
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400 Xmas Trumpet Major	13.50
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600 Incomparabilis Stella	7.75
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1700 Leedsil, Mrs. Langtry	7.00
1400 Cup Varieties Mixed	6.50

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20,000 Refracta Alba, Lg. Bibs.	4.50
5000 Refracta Alba, Mammoth	6.00
7300 Refracta Alba, Monsters	8.00
100 Purity, 1st size	12.00
1500 Leichtlinii	7.50

GLADIOLUS COLVILLEI.

1200 Delicatissima Superba	12.00
7000 Fairy Queen	6.00
4000 Fire King	16.75
30,000 Peach Blossom	7.00
30,000 Blushing Bride	5.00

GLADIOLUS COLVILLEI—Continued

25,000 The Bride	1000
1000 Ackermannii	at \$6.00
1500 Queen Wilhelmina	7.75
	16.00

RANUNCULUS.

200 Giant French	3.00
1500 Persian Giant	3.75
3000 Giant Turban	4.50

CROCUS.

3000 Baron Von Brunow	6.25
2000 Car. Chisholm	6.25
2000 Cloth of Gold	6.25
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NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil."—Pope.

Amaryllis

Amaryllis bulbs will now show signs of being ripened and some probably starting to push their flower spikes. To provide a succession it would be advisable to bring some in every ten days. It is not necessary to repot all the bulbs, but they should be examined to see that the drainage is efficient. Where the roots are active and sound and the pots of sufficient size for the bulbs, they will require only a liberal top dressing of rich mulch. It can be made equal parts of loam and well rotted manure and sand. After top dressing or potting the plants should have a temperature of at least 60 degrees at night. Give them a good syringing two or three times a day on bright days and keep the compost moist. Give enough ventilation to keep the temperature during the day at from 70 to 78 degrees.

Gloxinias

Gloxinias make one of the best show plants we have, as well as being a good seller. Start the bulbs in flats, crocked and filled to within an inch of the top with equal parts loam, leaf mold and sand. An inch between the bulbs will be enough. Cover with soil and place in a house about 60 degrees at night. Keep the compost moist, but not wet until they have made top-growth. When they have made roots they can be lifted and potted in a mixture of fibrous soil four parts, leaf mold two parts, well pulverized cow manure two parts, and some sand, and placed well up to the glass.

Orchids

Odontoglossums are again picking up and will, barring unforeseen contingencies, give a fine crop of flowers the coming spring. They should, during winter months, get as much of old Sol's rays as possible. It is utterly wrong to give them a dark north space where in midwinter no sun will strike them for months. It is also a mistake to give them too low a night temperature. We can educate them to 50 or even 55 degrees,

and, given this night temperature and plenty of sun, it is really astonishing how much progress they will make. The leaves should take on a bronzy hue. This makes them harder and better fitted to stand our hot and severe summers. Do not keep the houses too damp during dull murky weather, but during bright weather you can damp down two or three times a day. Use any spare time now in cleaning and sponging the orchids. These orchids will not stand a stagnate or humid atmosphere and do well. Of course, there will be plenty of days when we cannot ventilate, but when the weather permits always give ventilation.

Vincas

Strong, salable stock cannot well be had from cuttings in good time for next spring if put in the sand as late as this, but fine stock for another season's trade to be grown into size under field culture next summer may thus be obtained. It is available to pot divisions for the present in as small pots as possible so that at about the beginning of March the last shift into four-inch pots provides them with large amounts of fresh soil and nutriment to which they will then more readily take than now. Thrifty plants in 3-inch pots with three or four hangers and more coming also sell good and are to be preferred to overgrown roots. In order to keep these young vincas growing right along they should have a temperature of from 55 to 60 degrees at night.

Unsold Azaleas

By giving these plants a little care they can be had in good flowering shape by next Christmas. Give them a cool house. Anything above the freezing point will do. Forty degrees or thereabouts till after Easter, when there will be more to join their ranks, the treatment of which I will deal with in the proper season. Do not let these azaleas dry out at the roots as it is sure to injure them.

Next Week: Bulbous Stock; Bedding Plants; Forcing Lilies; Seeds to be Sown; Sowing Smilax; Stock Poinsettias

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A common cause We find in the reading columns of our British exchanges frequent complaint during the past two months of the serious injury sustained by the regular trade there similar to what the trade in this country has suffered from the incursions of a certain class of Dutch

retailer, who, having sold all the stock they could at the time at fixed prices, undertake to work off the balance on the legitimate customers of the regular dealer, either directly or through some transient emergency channel, at prices away below established rates. We propose the trade here as well as in England will have to "grin and bear it" for the time being, but they might perhaps get together the material for future retributive justice by adopting the policy that is being advocated in England, of ascertaining whenever possible, the identity of all foreign houses that have been indulging in this "penny-wise but pound-foolish" business and then letting them severely alone ever after.

Two ways of boosting prices

Our Christmas reports from the leading wholesale flower markets as published last week furnish food for thought for any grower dependent upon the wholesale markets for his livelihood. We were particularly interested in the vicissitudes of the American Beauty rose as reported in the two greatest markets for this flower—New York and Chicago. In Chicago we are told that the Beauty started out at top figures and then slid down the scale until it was offered at about one-fifth of the earlier quotations. In New York low prices prevailed at the beginning but under the incentive of the lively demand, for which these moderate prices were at least partially responsible, values stiffened up, advancing 30 to 40 per cent by Christmas morning. The only valid excuse for advanced Christmas prices is a demand in excess of the supply and the buyers themselves are partially responsible for such advances, in their rivalry to secure the goods. An artificial high price is, however, almost sure to come to grief, as has happened times without number.

Crude methods and the penalty

Another sidelight upon the Christmas situation in Chicago is thrown by our correspondent in that city in the remark that prices had been fixed apparently without any knowledge of the magnitude of the available crops and could not hope to be maintained after shipping orders had been filled. The further information from Chicago and elsewhere to the effect that large quantities of flowers in the markets gave evidence that they had been held back and should have been offered days before or not offered at all, is significant. This story is hoary with age but, despite all the painful lessons as to the suicidal character of such practices the "pickler" seems unable to resist the temptation to pickle and so destroy the market for himself and everybody else. The pickled stuff is sent in first and the customer at a distance gets it and at enhanced prices for which there is no justification while the local buyer gets the fresh goods which come in last, and at prices usually based strictly on supply and demand. We have suggested before, on several occasions, that one of the greatest needs of the central markets which are looked to for the standards of value from time to time is some comprehensive and well conducted plan for securing advance trade information as to the extent and quality of the various crops in different localities available from time to time. Such an enterprise should and undoubtedly would, in time, become self-supporting but, anyway, it would be a legitimate and proper function for the National Society to assume and to direct—a much more practical and useful project for the advancement and elevation of the flower business than the various visionary schemes which have been advocated for "schools of horticulture," for example, under the Society's auspices.

ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur Ruzicka

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

Potting Soil

With the prevailing cold weather, we are sorry for any growers who could not make arrangements to have a good store of soil covered to keep the frost out. It is a hard labor wasted to have men with picks trying to get into the soil heap when there is a foot or more of frost in it. This soil will take quite a while to thaw out and get warm, so it should be brought into the potting shed a little sooner than soil that was stored in a covered or heated shed. Make sure that it will dry out sufficiently before it has to be used, and that it is warm enough. The roots on the cuttings when they leave the sand are very tender, and will therefore be set back a little if they are potted into soil that is very cold. Avoid using wet soil, as this is bad for the work, and will pack down too much, so that if the soil is heavy at all it will interfere with the drainage a good deal. For the first potting it will be best to use a soil that is not too heavy, and does not contain too much manure. Avoid using any fertilizer in the soil for the first potting, unless the season is advanced, and the young plants are to remain in the pots for a while. We, as a rule, try to induce the plants to make roots as much as possible while they are in the small pots, depending on repotting to make the plants grow later on. The soil should have plenty of fibre into it to make it porous. A good sod used in making the heap will do all this.

Supply of Pots

If these are not already ordered, see that there are enough to suffice for the season, for there is nothing so provoking as to have to wait for a shipment of pots, and having a lot of cuttings in sand. Better make an inventory of all on hand and there will be no time wasted later on. Order good pots even if they are a trifle more expensive. A good pot should be porous, and not too hard to absorb water. If a pot does not do this it is wrong somewhere.

The First Potting

We use two-and-a-quarter-inch pots for the first pot-

ting. Two-inch pots are very small and the plants are likely to get pot bound if they are not shifted as soon as is necessary. With the rush that comes on as a rule it sometimes happens that even the best run place will be behind with some of the work, and the plants in a pot that is a little larger will stand a little more. We never use crock in a pot of this size, but provide a good drainage for the bench that the plants are set on. Coal ashes screened will make a good surface. In potting make sure that all the holes in the bottoms of the pots are open, as it will happen with new pots that a large number will have a very thin layer of clay over the opening, thus stopping all drainage. All cuttings in pots like this will die very shortly, as they do not like too much water, and must have drainage, as must all growing plants. Be very careful not to crush any roots when handling the cuttings, and do not firm the soil too much, merely pressing it down gently. Do not fill up the pots too full, for this would bother when the plants are watered. Also be very careful not to fill one pot more than the other. If this is done, there will be little trouble to keep the cuttings at the same stage of moisture, for the pots can be filled with water evenly, and then all will receive nearly the same amount. Be sure to set the pots on the bench level, for a pot set crooked not only looks bad, but cannot be watered right, and as a rule will always be dry. Nice straight rows will also add to the appearance of the work, and perhaps make the plants grow a least bit better. It will be easier to keep track of them, too. Point all the leaves one way, and that is towards the northwest if the houses run east and west. With the leaves this way the cuttings will not shade one another, or interfere with one another's growth. It will also be better for syringing. As soon as the cuttings are potted and taken into the greenhouse, shade them well with newspapers, using them double the first few days, and gradually diminishing this, and putting the papers on later in the morning, and removing them at night until at last the cuttings are shaded only for a while at noon, and then the shade is left off altogether.

ANTHRACNOSE ON SNAPDRAGON.

"Horticulture," Boston:

I enclose a few shoots of snapdragons which are affected. I will be greatly obliged if you can tell me what is the cause and, if possible, a remedy for same.

Yours respectfully,

New York,

W. W.

The disease appearing on the snapdragon is Anthracnose, caused by *Colletotrichum antirrhini* Stewart. This disease attacks both the stem and foliage, often defoliating and finally killing the aerial portions of the plant. However, it is not often so severe on plants in the greenhouse.

This disease usually appears first on plants when out of doors, and is transmitted on cuttings; hence the first combative measure should be to prevent such transmission by selecting cuttings only from healthy plants. It

is not probable that infection is transmitted by seed. In the case of outdoor plants, it is necessary to spray with Bordeaux mixture every one or two weeks through the season in order to keep the disease in check. Spraying is not often necessary or desirable in the greenhouse, but in case the disease becomes severe, spraying with ammoniacal copper carbonate may be resorted to. The formula for this solution is as follows:

Copper carbonate	5 oz.
Ammonia (26 Baumé)	3 pints
Water	50 gals.

The stock solution may be made up by mixing the first two ingredients, and small amounts may be diluted with water in the proper proportion as needed. This spray is preferable in

the greenhouse to Bordeaux because it does not show spots on the leaves.

However, it should be possible to keep this disease in check under greenhouse conditions by proper ventilation and the avoidance of draughts and water on the foliage. If water is allowed to stand on the foliage it of course provides a favorable medium for spore germination, and the plant is more readily infected.

A. VINCENT OSMEN

Dept. of Veg. Pathology and Phyatology
Amherst, Mass.

Whether competition is more or less keen, whether times are more or less hard, don't let up on the advertising. There is only one result to less advertising; that is less business. *South Merchant*

CLUBS AND SOCIETIES

FLORISTS' CLUB OF PHILADELPHIA.

At the January meeting of this club it was voted 12 to 16, as the sense of the meeting that the hall at Broad street and Allegheny Ave. selected by the National Flower Show Committee is not a suitable place for the National Flower Show.

The speaker of the evening was Mr. Berlet, a Walnut St. jeweler, who discoursed very ably on business-bringing methods and gave his ideas in particular as to how to run a flower show. A letter to John Westcott was read by the secretary. It was from the N. Y. Florists' Club inviting their Philadelphia brethren to join them in their trip to the Carnation Convention. No action was taken but no doubt the heaven will work indirectly.

The report of the committee on exhibits was as follows:

"The Pennock-Meehan Company staged the following exhibits for the Bassett & Washburn Company, Hinsdale, Ill.

Four vases of seedling carnations, a rose pink seedling named Helen Washburn, a dark pink, a light pink, and a red seedling named Belle Washburn. All of these were large well formed flowers on long, stout stems. The dark pink variety was exceedingly fine.

A vase of the new carnation, Mrs. Charles Seigward, raised and grown by Charles Seigward, of Baltimore, a larger and seemingly improved flower of bright Eucharis color.

A vase of very fine flowers of carnation Mrs. Akehurst, the large new pink.

A vase of large fine flowers of the new rose, Hoosier Beauty, from the E. G. Hill Company, Richmond, Ind.

Also a vase of very fine blooms of the new rose, Mrs. Moorfield Story, grown by the Waban Rose Conservatories of Natick, Mass. This new rose is a light bluish in color and a very large flower of splendid form, showing a deep shade of pink in the centre. It is borne on long stout stems. Altogether it is a splendid addition to the list of winter blooming roses."

The members present were exceedingly interested in all of the above and the merits of the different subjects were eagerly discussed and the general opinion seemed to be very flattering to each and all of them. Hoosier Beauty is certainly a dandy, far superior to Richmond.

HORTICULTURAL SOCIETY OF NEW YORK.

An exhibition will be held on Wednesday, January 20th, at the American Museum of Natural History, 77th street and Columbus avenue, N. Y., city. Premiums for orchid blooms, carnations, sweet peas, antirrhinum and schizanthus are offered. Prizes can also be awarded for meritorious exhibits not provided for in the schedule, and such exhibits are solicited. So if you have an interesting or unusual plant or flower, or a specimen showing unusual skill in cultivation, bring it along, for it may win a prize. Schedules are now ready for distribution, and will be sent upon application to the secretary, George V. Nash, New York Botanical Garden, Bronx Park, N. Y. city.

A meeting of the society will be held at 4 p. m. at which a lecture will be delivered by William N. Craig, on "The Home Vegetable Garden."

GEORGE V. NASH, Secretary.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

President Welch has appointed H. H. Bartsch president of the Gardeners'



H. H. BARTSCH

Director, Society of American Florists.

and Florists' Club of Boston, an "affiliation" member of the Board of Directors to serve one year.

JOHN YOUNG, Sec'y.

Jan. 1, 1915.

Rules Governing the Contest for Membership Prize.

1. Any S. A. F. member desiring to enter the contest shall first register by sending his name and address to the National Secretary, John Young, 53 West 28th Street, New York, on or before March 1, 1915, who will return application blanks immediately.

2. The contestants shall forward to the secretary at least once a month a list of new members secured, accompanied with fee, five dollars for each annual member, and thirty dollars for each new life member. Each annual member shall count one, but each life member shall count five in the contest.

3. The Secretary shall publish a list of the new members thus secured and accredit the contestants securing them in a notice in the trade papers monthly. No one shall be considered as entitled to the prize unless at least fifty memberships have been accredited to him.

4. The prize shall be selected by a committee of three, two of whom shall be appointed by the President and one by the winning contestant.

JOHN YOUNG, Sec'y.

NEW JERSEY FLORICULTURAL SOCIETY.

The regular monthly meeting of this society was held in Orange, Monday evening, Jan. 4th. Election of officers resulted as follows: President, Henry Halbig; vice-president, Arthur W. Jackson; treasurer, Fritz Bergelund; secretary, Geo. W. Strange; executive committee, Henry Halbig, Arthur Jackson, Fritz Bergelund, Geo. W. Strange, Edwin Thomas, Wm. Reid, Chas. Ashmead, Frank C. Drews, George Wraight, Max Schneider; arbitration committee, Frank C. Drews, chairman, Wm. Reid, Geo. Wraight, John Hayes; Dietrich Kindsgrab, room and library committee, John L. Collins, Edw. A. Manda, Arthur Jackson, Edgar Bourne, Emil Panuska; essay committee, Geo. W. Strange, Jos. A. Manda, Geo. Wraight, A. A. Thomas, Wm. Reid; auditing committee, Frank C. Drews, Emil Panuska, Alfred A. Thomas.

The society decided not to hold its annual dinner. It was also decided best for the society to adopt for the coming year a scale of points, consisting of six classes, namely:

Class 1. Best orchid plant in flower: 1st, \$7.00; 2nd, \$5.00; 3rd, \$2.00.

Class 2. Vase of 12 roses, one or more varieties: 1st, \$7.00; 2nd, \$5.00; 3rd, \$2.00.

Class 3. Vase of 12 carnations, one or more varieties: 1st, \$7.00; 2nd, \$5.00; 3rd, \$2.00.

Class 4. Foliage or flowering plant: 1st, \$5.00; 2nd, \$3.00; 3rd, \$2.00.

Class 5. Vase of cut flowers, any other than above: 1st, \$5.00; 2nd, \$3.00; 3rd, \$2.00.

Class 6. Bunch of fifty violets or sweet peas: 1st, \$5.00; 2nd, \$3.00; 3rd, \$2.00.

The winner among the highest number of points for the entire 8 monthly competitions to receive the prizes.

Awards for the evening were as follows:

Peter Hauck, Jr., gard. Max Schneider, class 1, 85 points; class 4, 65 points; class 5, 75 points; class 6, 65 points. Mrs. A. J. Moulton, gard. Arthur Jackson, class 6, 65 points. Mrs. Wm. Barr, gard. Emil Panuska, class 1, 60 points. Mrs. A. J. Moulton was highly recommended for plate of mushrooms.

Geo. W. STRANGE, Sec'y.

AMERICAN CARNATION SOCIETY.

According to present plans the Boston party to the Buffalo convention will leave the South Station on Jan. 26, at 10 a. m., due to arrive in Buffalo 11.30 p. m. The fare one way on ten-party ticket is \$9.67, chair \$2.00, total \$11.67. We shall have a drawing room to be used by any one intending to exhibit so that the flowers will be under our own care. All who would like to join this party will please kindly notify me at your earliest convenience.

S. J. GOODRICH.

Framingham, Mass.

Littlefield & Wyman, North Abington, Mass., register Miss Theo. parentage, Winsor X Winona; color, rose pink; size of flower, three inches; habit, etc., well built up; calyx nearly perfect, seldom splitting; stem strong, holding flower at all times; plant of robust growth.

A. F. J. BAUR, Sec'y.

CLUB AND SOCIETY NOTES.

David F. Roy has been re-elected president of the New Bedford, Mass. Horticultural Society.

The next meeting of the New York Florists' Club will be held on Monday night, January 11, when the new officers will be duly inaugurated.

The sixteenth annual dinner of the Tarrytown Horticultural Society will be held at the Florence Inn, Tarrytown, N. Y., on January 12, 7 P. M. A big occasion as heretofore.

The National Flower Show Committee held a session in New York this week and the draft for the complete schedule for the National Flower Show for 1916 is now about finished.

The St. Louis Florist Club will hold its next meeting on Thursday, Jan. 14, at 2 o'clock. The importance of this meeting should bring out the members. A final vote on the Spring Flower Show will be taken.

The Massachusetts Horticultural Society awarded to E. B. Dane a silver medal for a beautiful specimen, *Cattleya Trianae alba* and to Donald MacKenzie, gardener for Mr. Dane a cultural certificate for a plant of *Chysis aurea* bearing eight flowers.

The twenty-sixth annual meeting of the South Dakota State Horticultural Society will be held on Tuesday, Wednesday and Thursday, January 19, 20, 21, 1915, at the City Hall in Yankton, South Dakota. A very interesting program has been arranged. The secretary is N. E. Hansen, Brookings.

The regular meeting of the Horticultural Club of Boston was held at the Parker House on Wednesday evening, January 6. Dr. George E. Stone was the guest of honor. He gave a very valuable talk on plant pathology. The table was beautifully decorated with vases of carnation Alice, the contribution of Peter Fisher.

The inaugural meeting of the Massachusetts Horticultural Society for the year 1915 will be held at eleven o'clock, a. m., on Saturday, January 9, 1915, at Horticultural Hall, Boston. The business of the meeting will be the hearing of an inaugural address by the President, the report of the Board of Trustees, the reports of officers, and the reports of the chairmen of the various committees.

WILLIAM P. RICH, Sec'y.

The annual meeting of the Tarrytown Horticultural Society was held Thursday evening, December 31. The following named officers were elected for the coming year: W. Jamison, pres.; J. Featherstone, vice pres.; E. W. Neubrand, sec'y; C. J. Weeks, treas.; Thos. A. Lee, press sec'y.

This being Carnation Night a fine display of cut blooms were exhibited. 1st prize for three varieties, six of each was awarded to A. Golding, supt. for D. G. Reid, who also received certificate of merit for vase of Princess Dagmar and cultural certificate for Mignonette. Honorable mention was given to J. W. Smith, Scott Bros., A. Weeks and W. F. Ross for other exhibits of carnations. A very fine vase of Euphorbia was staged by A. Weeks and received a cultural certificate.



NURSERY GROWN HOLLY

With reference to the propagating of *Ilex opaca* as expounded by Mr. Hubert M. Canning in the HORTICULTURE of Nov. 21, I enclose a photograph of a holly bed and some cuttings as grown in Mt. Auburn Cemetery. We find it much more practical to take cuttings in August, put them in the sand bed, syringe them four or five times on bright days, and we have them rooted in from four to six weeks. This process naturally prevents the necessity for discarding of so many non-fruit-bearing plants as referred to by Mr. Canning. The selection of fruit or non-fruiting plants is entirely optional with the one who selects the cuttings, insofar as he obtains the cuttings from a fruiting plant, or from one that produces the pollen. It is important, however, that some plants of the pollen-bearing variety be distributed throughout the garden, in order that fruit-bearing plants may be induced to set their fruit. Consequently we must

take some cuttings from non-fruiting plants.

Close observation of the cutting to the left in the photograph reveals a berry. These cuttings were taken a year ago last August, and are of a size now which it would take from three to four years to obtain from seed. After potting them we keep them in a cool house during the first winter. The spring following they are planted in the nursery where they remain until large enough to use. Cuttings taken in this climate are naturally much more able to withstand the rigorous New England winters than plants imported from warmer locations.

The suggestion of Mr. Frank Buffington, in the HORTICULTURE of Dec. 5, as to removing the leaves of hollies before planting, is a very satisfactory and practical way to prevent the loss of many plants.

L. G. VAN LEEUWEN.
Cambridge, Mass.

Many valuable points were brought out on the cultivation of carnations through the discussion which followed the judging.

A prize will be awarded for the best flowering plant at the next meeting. The annual dinner of the society will be held at the Florence Inn, Jan. 12, at 7 P. M.

THOS. A. LEE, Press Sec'y.

COMING EVENTS.

Shows.

New York City. Horticultural Society of New York, at Museum of Natural History, January 20.

Buffalo, N. Y. Annual show and meeting of American Carnation Society, Jan. 27-28. A. P. J. Bauer, Indianapolis, Ind., Sec.

New York, N. Y. International Flower Show, March 17-23, 1915, Grand Central Palace, under auspices Horticultural Society of New York and New York Florists' Club. John Young, 53 W. 28th St., New York, Sec.

Boston, Mass. Annual exhibition and meeting of American Rose Society, March 25-28. Benjamin Hammond, Fishkill-on-Hudson, N. Y., Sec.

Club Meetings.

New Orleans, La., Jan. 10, 2 P. M. Gardeners' Mutual Protective Association, 111 Exchange Place.

Cincinnati, O., Jan. 11, 8 P. M. Cincinnati Florists' Society, James Elliott Flower Market.

Cleveland, O., Jan. 11, 7:30 P. M. Cleveland Florists' Club, Progress Block, 2610 Detroit Ave.

Baltimore, Md., Jan. 11, 8 P. M. Gardeners' and Florists' Club of Baltimore, Florists' Exchange Hall.

New York, Jan. 11, 7:30 P. M. New York Florists' Club, Grand Opera House Bldg., 5th Ave. and 23rd St.

Rochester, N. Y., Jan. 11, 8 P. M. Rochester Florists' Association, 25 Main St., E. Attendance of officers.

Springfield, O., Jan. 11. Springfield Ohio Florists' Club.

Toledo, O., Jan. 12. Toledo Florists' Club.

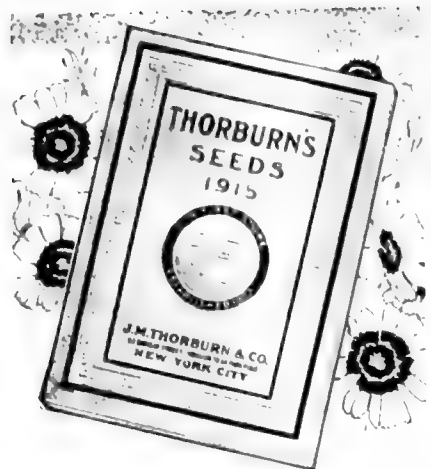
Tarrytown, N. Y., January 12. Annual dinner of Tarrytown Horticultural Society at Florence Inn, 7 P. M.

Madison, N. J., Jan. 13, 8 P. M. Madison Gardeners' and Florists' Society, Masonic Hall.

Omaha, Neb., Jan. 11, 8 P. M. Omaha Florists' Club, County Court House.

St. Louis, Mo., Jan. 11, 2 P. M. St. Louis Florists' Club Odd Fellows Bldg.

Dayton, Ia., Jan. 11, 8 P. M. Dayton Florists' Club.



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TREE WALKS AND TALKS IN PARKS.

Delivered at Hartford before the New England Park Institute, October 22, 1914, by H. W. Hodge, Landscape Engineer, for the Park Department of Springfield, Mass.

Among the many complex phases of park activity of today the newest is perhaps the "Walking Talk on Tree."

Nature study in some form has ever been of vital interest to man, at first as a means to live and later also from a sense of love and appreciation of the beauties and the wonders of the outdoor world. Besides the preservation of the plants and the development of the art of gardening, the park departments are taking up the study of the parks as the recreation grounds of the city. "Walking Talks on Trees," of some educational value, may be classified as a recreation and are usually considered as such.

In our climate the average amateur student of nature turns to books when the flowers are gone and most of New England's trees are bare. However, for some time many of the agricultural colleges and various institutions interested in the study of horticulture have been teaching the characteristics and identifications of trees during the winter season. Led by the instructor the students walk through the arboretum or woods where various trees are noted and classified at first hand. Talks and lectures of a popular nature are conducted by the management of Arnold Arboretum of Harvard University. The Hampden County Horticultural Society conducted a talk on the trees of Forest Park, Springfield, in April. All of these talks have been very well attended.

In the fall of 1913 walking talks for the public were conducted in the Boston Public Parks, under the leadership of Mr. Fischer of Franklin Park. During the same season Supt. G. A. Parker introduced the Walking Talk on Trees, Shrubs and Planting Effects in Hartford Public Parks. Talks were conducted through the many public parks and Supt. G. H. Hollister personally conducted several successful walks in Keney Park. The walks will be continued in Hartford this season.

As leader of the walks in the Public Parks of Hartford last fall I suggest the following:

Selection of Route.

Select if possible a route having a variety of native and introduced trees. Groups of trees as well as specimens and occasionally an opportunity to identify trees at a distance by general characteristics and shape, give variety and therefore add to the interest. Some of the evergreens and any rare or unusual specimens give points of special interest. Usually some trees will be found which will offer opportunity to discuss tree care, including surgery, combating insects, pruning, planting, moving, etc. Some time may well be spent on this phase of the subject as many are personally interested, having trees and shrubs of their own needing care.

The length of the route may be determined in a general way by (1) make up of the party, age, women and children, etc.; (2) condition of the ground to be covered, whether swampy, rocky, hilly, etc.; (3) the weather, and (4) time for walk. During cold weather the talks should be made shorter and the walking inter-

vals longer. Talk enough to keep up the interest and walk enough to keep warm. Two miles is ordinarily the limit for an afternoon. Keep in mind that while nearly all of the party know the common trees very few know that there are many species of oaks, that the box-elder is a maple, etc. A number of trees of one genera affords a chance to note their common characteristics and differences.

At the beginning of the walk a word about the structure of a tree and the various functions of the many parts makes a good introduction. A small gray birch may well be selected to demonstrate. The value of some definite order of describing the trees should not be overlooked. Some of my talks were in the form of lectures for the boys of the wood-working classes of the manual training schools. Many of these boys had never seen to know them the common trees from which their wood came. They took notes so it was advisable to follow some outline rather closely. The following met with the approval of the teachers and worked out well:

Common name: Give all common names as there are many local ones. Give origin of name and meaning, etc.

Scientific name: Reason and need of, etc. (Introduce a short discussion of the use of scientific names, their value, etc.)

Habitat or distribution: Rocky, swamp, meadow, or other situation. Native or introduced, and where found.

Shape: Habit of growth, shape of tree, size, etc.

Characteristics: Bark—Color, texture, close or loose, etc. Twigs—Shape, color, arrangements, etc. Leaves—Shape, size, arrangement, texture, etc. Buds—Size, shape, color, etc. Fruits—Size, shape, color, kind, etc.

Means of propagation: From seed cuttings, etc.

Means of identification: Including comparisons with characteristics of other trees.

Value: Commercially. Wood—Texture, durability, color, grain, hard or soft, etc.

Planting and ornamental uses: Shade, as windbreak, growth, formal, etc.

A much more informal talk is preferable for a general party when questions of general interest may be answered as they suggest themselves. Lists of the trees to be found on the walks were given out in Hartford. These contained the scientific and common names, the former arranged alphabetically, thus saving much time otherwise spent in repeating and spelling names. Before breaking up it is well to announce and outline the next walk. The campfire and hot coffee and frankfurts during cold weather added much to the comfort and enjoyment of the tramps over the frozen ground and snow.

"Walking Talks" in the future could well include the entire year and the birds, animals, and plants in their season. I believe that directed nature study will surely become a part of the park work as has directed play.

NEWS NOTES.

Delaware, O.—The Delaware County Orchard & Nursery Co. has bought a plot of 20 acres on Lake street, on which they will shortly erect a large greenhouse.

Carbondale, Ill.—The Illinois Nurseries, Bradley Bros., proprietors, of Makanda, are to be moved to Carbondale, with offices in the McAnally building.

Bridgeport, Conn.—James Horan & Sons will have to pay over \$700 for damages inflicted on the city chemical engine in a collision between that vehicle and Horan's automobile.

Two of Pernet-Ducher's Best Roses



MME. EDOUARD HERRIOT, "The Daily Mail Rose."

Mme. Edouard Herriot, "The Daily Mail Rose"—Winner of the **Gold Cup** which was offered by the "Daily Mail" of London for the **Best New Rose** exhibited at the **International Horticultural Exhibition** in London in 1913. It is an entirely new color in Roses which one of our best posted Rose enthusiasts describes as being like sunshine on a copper-red metal. The buds are exceptionally long, slender and pointed. We offer strong, imported dormant plants, suitable for 5 inch pots, \$6 per doz.; \$50 per 100.

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Woonsocket, R. I.—George Butler, Ipswich, Mass.

Uxbridge, Mass.—Thomas Hoolahan, Beverly, Mass.

St. Louis—J. Beyers, representing Chicago Carnation Co., Chicago, Ill.

Washington, D. C.—I. Rosnosky, representing H. F. Michell Company, and S. H. Bayersdorfer, Phila., Pa.

Philadelphia—Mr. and Mrs. Chas. Schmidt, Harrisburg, Pa.; Hillborn Darlington, Doylestown, Pa.; W. R. Thoms, Atlantic City, N. J.

New York—S. J. Reuter, Westerly, R. I.; A. Miller, representing A. Henderson & Co., Chicago; E. Allen Pierce, Wadtham, Mass.; Thomas Roland, Nahant, Mass.; W. F. Kasting, Buffalo, N. Y.

Boston—C. S. Strout, Biddeford, Me.; C. W. Hoitt, Nashua, N. H.; M. H. Walsh, Woods Hole, Mass.; D. F. Roy, Marion, Mass.; A. B. Greenlaw, representing S. S. Pennock-Meehan Co., Philadelphia, Pa.

Kansas City, Mo.—Sam. Murray reports a tremendous Christmas business. He was simply astounded at the demand for plants and baskets, of which his stock was very fine. The store force "including the old man" were busy on Christmas work from 7 a. m. on Wednesday until 6.30 p. m. on Friday without intermission.

TWO CROMWELL HOUSES.



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Conn. The place is almost a town of itself employing half a thousand men, more or less, and exciting wonder and admiration on all sides. It is as to where a market can be found for the enormous quantities of plants and flowers that are produced.

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We have **ARAUCARIA EXCELSA** by the thousand. New crop just arrived from Belgium, all started up, and right for sale now. Good value for your money. 5½ in. and 6 in. pots, 3, 4, 5 tiers, 40c., 50c., 60c., 75c., \$1.00, \$1.25, \$1.50. **GLAUCA** and **ROBUSTA COMPACTA**, 6 in., 7 in. pots, \$1.00, \$1.25, \$1.50, \$2.00.

CASH WITH ORDER.

Godfrey Aschmann

Importer and Wholesale Dealer in
Araucarias.

1012 W. Ontario St., PHILADELPHIA PA.

FERNS for DISHES EXTRA STRONG

\$3 per 100, \$25 per 1,000, 500 at 1,000 rate.

Watch our future advertisements

ERNEST OECHSLIN

Gale Ave. and Madison St., RIVER FOREST, ILL.
Nine miles from Chicago.

I Want Room

A surplus of S. A. Nutt, John Doyle and Perkins **GERANIUMS**, in 2¼-in. pots, \$15.00 per 1000. Other varieties, 2¼-in. pots, \$18.00 per 1000.

ASPARAGUS Sprengeri, 3-in., \$3.00 per 100; 4-in., \$4.00 per 100.

J. E. FELTHOUSEN

154 Van Vranken Ave., SCHENECTADY, N. Y.

OBITUARY.

G. W. Keessen.

Gerrit Willem Keessen of the firm of F. W. Keessen & Zonen, Aalsmeer, Holland, died on November 21, aged 61 years.

John J. Leal.

J. J. Leal, florist of New Bedford, Mass., who was reported in our issue of last week as dangerously ill from coal gas poisoning, died at St. Luke's Hospital on Monday, December 28.

Thomas J. O'Dea.

Thomas J. O'Dea, a well known florist of Long Island City, New York, died suddenly from heart failure and exposure while working in his yard on Christmas morning. He was 69 years old.

George T. Philcox.

George T. Philcox, formerly superintendent for W. D. Sloan and H. P. Schotter, Lenox, Mass., died on Thursday, December 24, at Wyoming, N. J., where he had resided for several years since his retirement from active life.

THE LATE JOHN MUNSON.

The genial wholesaler and well-known proprietor of the Minneapolis Floral Company is no more; he passed away at his house on the evening of Dec. 28, after only a short illness. He was taken sick a few days before the holidays, but was reported better about Christmas day, when suddenly the re-

DREER'S FERNS FOR DISHES

The Best Stock We Have Ever Offered



**2 1-4
inch pots**

**\$3.00
per 100;**

**\$25.00
per 1000**

HENRY A. DREER

714-716 CHESTNUT ST., - PHILADELPHIA, PA.

The above prices are for the trade only

MORE POTASH COMING

American crops and soils are still as hungry for Potash as before the outbreak of the European War, which curtailed the Potash shipments.

Some of the Fertilizer Companies are trying to induce farmers to buy the one-sided low Potash or no Potash fertilizers of a generation ago. This means a fertilizer that is profitable to the manufacturer, but not the best for the farmer. When the Syndicate in 1910 started the direct sales of Potash to dealers and farmers at reasonable prices, Potash sales increased 65 per cent. in one year, a clear proof that farmers know that Potash Pays. They know that Potash gives good yields, good quality and resistance to plant diseases.

Many of the Fertilizer Manufacturers are willing to meet the farmer's wishes and sell him what he thinks he needs. These manufacturers are now willing to furnish as much Potash as they can secure. They offer goods with 5 per cent. and even in some cases 10 per cent. Potash, if the farmers insist on it.

Shipping conditions are improving, more Potash is coming forward although the costs of production and transportation are higher. The higher price of fertilizers is not due wholly to the slightly higher cost of Potash. Much of the Potash that will be used in next spring's fertilizer had reached America before the war started.

There is no substitute for Potash.

We can no more return to the fertilizer of twenty years ago than we can return to the inefficient farm implements or unprofitable livestock of that period.

H. A. HUSTON.

port of his demise came as a distinct shock to his many friends here.

Munson, though well-known to the trade, was a young man, just turned 48. He came to this country 22 years ago from Sweden, his native country, in which he, except for a short sojourn in Denmark, learned and practiced his profession in which he was remarkably skillful, so much so that after but a short time spent with Aug. S. Swanson of St. Paul, The Smith Floral Co., of Minneapolis tendered him the position of foreman and manager of their extensive plant. After three years of success here, he struck out for himself, and as proprietor of the Minneapolis Floral Company for the last 17 years, he certainly demonstrated what skill, energy, perseverance and thrift, when associated and properly directed can accomplish. He built up a business in his line from nothing to the largest in the state.

Munson was first of all a practical man and a hard worker, still he took time and great pleasure in raising roses from seed, and it was a source of endless joy and pride when he could show an interested friend the results of some of his experiments, and then he took no account of time or business when pointing out the good points or merits of some child of his just opening its first flower. Many of his new roses were well known locally, and at least two were known to the trade, Kate Moulton and Minnetonka.

Being such a busy man and constantly absorbed in his work, he did not seem to have found time or thought about choosing a life partner

to share his successes and divide his disappointments until about four years ago. He left no family, except the widow and an adopted daughter.

The esteem and regard in which he was held by those who knew him best was amply testified to by the wealth of floral tributes and the great outpouring of the fraternity, who in spite of the inconvenience of the busy holiday season nevertheless gathered about his bier almost to a man, when on the last day of the year his body was laid to rest at the beautiful Lake-wood Cemetery.

Enjoy your well earned rest, old friend, And may your memory be an inspiration to us all.

Aug. S. S.

GIVE THEM THE FLOWERS NOW.

By Leigh M. Hodges

Closed eyes can't see the white roses,
Closed hands can't hold them, you know,
Bright life is still shining through them,
The roses that sweeten the air below.
Don't let the peace beyond open to
The vision of earth dwell on
Late in time we can repeat
So give them the flowers now!

He saw the struggles of the
He saw the early dawn
Nights of time to him
And this, his first
Wrote good advice
When he brushed the
Naught can avail after parting,
So give them the flowers now!

Blooms from the happy heart's garden
Planted in the soil of life,
Brighter than the earth's flowers,
We know that they will live,
Even when the stock
To dwell in the lives of many,
So give them the flowers now!

SEED TRADE

AMERICAN SEED TRADE ASSOCIATION

Officers—President, Lester L. Morse, San Francisco, Calif.; First Vice-President, J. M. Lupton, Mattituck, L. I.; Second Vice-President, F. C. Dungan, Philadelphia, Pa.; Secretary and Treasurer, C. E. Kendel, Cleveland, O.; Assistant Secretary, S. L. Willard, Jr., Cleveland, O.

Mail Order Trade.

Reports from the mail order trade indicate that the season has opened with a fairly good promise and if stocks in certain directions will hold out, the expectation among the mail order houses seems to be that they will have a prosperous and satisfactory season. It is, of course, very early to make predictions along these lines but a good beginning is always most satisfactory in any enterprise, and none more so than the mail order business.

Bean Demand.

The hunger for seed beans has not by any means been satisfied, and those fortunate enough to have any for sale are finding a ready market at unusually high figures. Some of the houses who deal largely with truck farmers are a little pessimistic about the demand for beans the coming year, as it is common knowledge that green beans sold slowly during the latter part of last season and at very unsatisfactory prices. For this reason they think that the demand will be light, and that notwithstanding the great shortage there will be enough to meet requirements at the present high figures.

The demand for beans of the 1915 crop is most remarkable showing conclusively how low seed stocks must be. Reliable information which reaches us says that a number of the larger growers are endeavoring to make contracts with one another, or at least with one or two of the largest producers. It does not seem that anyone would be able to take care of trade of this character this year, as the demand from regular customers will doubtless consume all available seed stocks.

Peas.

There is more interest shown in peas than a year ago as much of the surplus carried into this year will be disposed of before the end of the present season and dealers will have to provide for next year's requirements. We understand that a majority of growers of peas and beans decline to accept orders for the latter item unless accompanied by fairly liberal orders for peas. This is not to be wondered at for the reasons already stated above.

European Seeds.

Importations of seed from Europe are coming in very slowly, and many of the dealers who have been banking on the promises of European growers are beginning to feel uneasy lest they have been leaning on a broken reed. Some of the items they need badly from abroad they will be unable to secure now at any price, whereas these items might have been bought two or three months ago. Reports from more than one source are to the effect that many of the biennials which are ordinarily produced in France will be classed as practical failures for the coming year. Whether these failures can be made good from

other sources remains to be seen. Probably some of them can; others we do not believe can be supplied from reliable sources.

A. S. T. Convention.

A number of the California seed growers are now in the East and we understand are working up sentiment in favor of the 1915 convention of the American Seed Trade Association being held in San Francisco. Reference has been made to this matter on two or three occasions and it will not be long now before the momentous question will be settled as the executive committee will meet some time this month to pass on the matter. It is not for us to boom California or to meddle in the affairs of the Seed Trade Association, but we believe, nevertheless that should the executive committee decide on California, it will meet with very general approval. We shall doubtless have the pleasure of announcing the decision of the committee in the near future.

Bulbs and Seeds in San Francisco.

Owing to the practice in former years of dumping surplus bulbs on the market about this time, a good many growers are beginning to look around for bargains. Whether they will get them or not is still uncertain, as many of the dealers, at least, seem to be pretty well cleaned up, and of those who are not, some will undoubtedly plant their own surplus.

Seed dealers find things rather quiet at present, but look for quite a rush of business within the next two months. They have recently had a fair business in Spencer sweet peas, and sales of eschscholtzia seed have been heavy. This is due to a popular movement to cover bare places with these flowers, typical of California, in honor of the Exposition year.

Notes.

West Chicago, Ill.—The onion set warehouse of Leesley Bros. was damaged to the extent of \$60,000 by fire

ALL VARIETIES THOROUGHLY TESTED

It is the policy of Jas. Carter & Co. to thoroughly test every strain of flower and vegetable. Not until satisfactory results are shown by actual growing are they listed in the Carter Catalog.

That is why Carters Tested Seeds are so reliable and true to description.

If you have not examined the 1915 Carter Catalog—American Edition—write at once for your copy.

CARTERS TESTED SEEDS INC.

166 Chamber of Commerce Building,

Boston, Mass.

Branch at Seattle, Wash.

In Canada, 133 King St. E., Toronto

Branch J. L. S. Carter & Co., Raynes Park, Eng.

*Carters
Tested Seeds*



last week; loss partially covered by insurance.

Los Angeles, Calif.—The Morris & Snow Seed Co. have moved into larger quarters, a commodious store having been secured near the Rosslyn Hotel.

On Monday, January 4, the St. Louis Seed Co. opened their new quarters at 411-13 Washington Ave. St. Louis, Mo. This is the site of the old stand which was destroyed by fire a year ago. The new building has been especially built for them and everything was in readiness for the opening.

MICHELL'S NEW CROP FLOWER SEEDS

PETUNIA:	Tr. Pkt.	Oz.
Micheel's Monstrous	\$1.00
California Giants50
Grandiflora Fringed50
Dwarf Inimitable50 \$1.25
PHLOX DRUMMONDII		
(DWARF):		
Cooly, Large flowering, mixed colors50 2.25
Crimson with Eye40 2.25
Deep Scarlet30 2.25
Earl Maid, Soft Pink30 2.25
Fireball, Scarlet30 2.25
Pink30 2.25
Snowball30 2.00
Violet with Eye40 2.00
Choice Mixed30 1.25
SHAMROCK:		
True Irish25 .75
VERBENA:		
Mammoth Fancy Blue30 1.25
" " Pink30 1.25
" " Scarlet30 1.25
" " Striped30 1.25
" " White30 1.25
" " Mixed30 1.00

Also all other Seasonable Seeds and Supplies for the Florist.

Send for Our New 1915 Wholesale Catalogue if you do not receive a copy.

HENRY F. MICHELL CO.

518 Market Street, Phila.

SEEDS FOR PRESENT SOWING

Now is the time to plant
ANTIRRHINUM
MARGUERITE CARNATIONS
SALVIAS

VERBENAS

VINCAS

Write for a copy of our Garden Annual for 1915, just published

R. & J. FARQUHAR & CO., 6 So. Market Street
BOSTON, - MASS.

PEAS, BEANS, RADISH } Growers for the Trade
 and all Garden Seeds }

LEONARD SEED CO.
 226-230 W. KINZIE STREET, CHICAGO
ONION SETS
 Write for Prices

GLADIOLUS

	100	1000
Blushing Bride	- \$0.75	\$6.00
Peach Blossom	- 1.00	8.00

A. HENDERSON & CO.

349 RIVER STREET, CHICAGO

BURNETT BROTHERS

Importers and Growers of

SEEDS, BULBS, PLANTS, &c.

98 Chambers Street, New York

J. W. Edmundson, Mgr. M. W. Williams, Sec'y
California Seed Growers
Association, Inc.

Growers For Wholesale Dealers
 SAN JOSE CALIFORNIA

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 mention **HORTICULTURE**.

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 you with

SUPERIOR GLADIOLI

JOHN LEWIS CHILDS
 FLOWERFIELD, L. I., N. Y.

97th YEAR

J. BOLGIANO & SON

Wholesale Garden and Field Seeds,
 Onion Sets, Seed Potatoes
 GROWERS OF PEDIGREE TOMATO SEEDS
 BALTIMORE, MD.

Seedsmen requiring the very best
 selections of

Garden Seeds

(VEGETABLE AND FLOWER), especially

Kelway's Celebrated English Strains
 can get them at lowest independent whole-
 sale rates by sending their orders direct to

KELWAY & SON

Wholesale Seed Growers
 LANGPORT, SOMERSET, ENGLAND
 Special quotations on application

Place your order now for Ayres' Winter
 Flowering

SWEET PEA SEED

S. BRYSON AYRES CO.

"Renowned Sweet Pea Specialists"

SUNNYSLOPE, INDEPENDENCE, MO.

Burpee's Seeds
PHILADELPHIA

BLUE LIST OF WHOLESALE PRICES
 MAILED ONLY TO THOSE WHO PLANT
 FOR PROFIT.

NEW CROP SEEDS

FOR FLORISTS

Ask for 1915 Catalogues

Joseph Breck & Sons Corp.

Seedsmen

47-54 No. Market St., BOSTON, MASS.

ONION SEED, ONION SETS

We are extensive growers and dealers of
 Seed and Sets. All our stock is first-class
 quality. Write for prices.

SCHILDER BROS., Chillicothe,
 Ohio

GARDEN SEED

BEET, CARROT, PARSNIP, RADISH and
 GARDEN PEA SEED in variety; also other
 items of the short crop of this past season,
 as well as a full line of Garden Seeds, will
 be quoted you upon application to

S. D. WOODRUFF & SONS 82 Day St., NEW YORK
 and ORANGE, CONN.

BULBS SEEDS ROOTS

For Fall Planting or Forcing

EXHIBITION QUALITY

Best Values in Boston.

THOS. J. GREY CO.

32 So. Market St., Boston.

MY NEW LIST OF

Winter Spencer Sweet Pea Seed

Has been mailed. If not in your hands
 now, send a postal for it.

ANT. C. ZVOLANEK
 Lompoc, Cal.

S. S. SKIDELSKY & CO.

BULBS, PLANTS and SEEDS

1218 Betz Bldg., Philadelphia

Catalogue on application

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NICO FUME LIQUID and PAPER

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1 Gal. Can....	\$10.50	1/2 Gal. Can....	\$5.50
288 Sheets Paper.....			7.50
144 Sheets Paper.....			4.00

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 chaser.

Anything that can be sold to florists, gar-
 deners, park and cemetery superintendents,
 etc., can be sold through this medium in
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 Don't fail to read them each issue, for you
 will find one or more that will prove profit-
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 Cent a Word Undisplayed**

ALEX. McCONNELL611 FIFTH AVENUE
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Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Cut of Calling Foreign Florists

Must be prepaid

Reference or cash must accompany all orders from unknown correspondents.
Cable Address, ALEXCONNELL.

G. E. M. STUMPP

761 Fifth Ave.

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DAVID CLARKE'S SONS

Deliver orders from any part of the country to

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Flowers shipped on all Steamers. Special Correspondence in all the large cities of Europe and the British Colonies. Telegraph and Cable address, Dardsflor

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Also Newport, R. I.

We Guarantee Satisfaction

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Choicest cut flowers and designs for all occasions. Steamer and theatre flowers a specialty.

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YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

FLOWERS delivered promptly in Buffalo, Niagara Falls, East Aurora, Lockport, Tonawanda, Lancaster and other Western New York cities and towns.

Palmer's304 Main Street
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RANDALL'S FLOWER SHOP

HARRY I. RANDALL, Proprietor.

Phone: Park 94

13 PLEASANT ST., WORCESTER, MASS.

Member Florists' Telegraph Delivery Association

Of Interest to Retail Florists

THE ANTI-FLOWER EDICTS.

Editor HORTICULTURE

Dear Sir: With interest I read your editorials every issue. Any man, preacher, priest, potentate or ordinary every day citizen that places one straw in the way to make the florist as mentioned in your editorial notes of January 2 is uncivilized, and the biggest "bonehead" ever was. Plainly speaking, it is ignorance with a large capital I. Where there is one dollar spent for flowers, there are one thousand spent for luxuries that all lead more or less to vice and the degradation of mankind. Admit that flowers are a luxury, that is the worst said. Are they not elevating? Do they lead to the penitentiary, to the asylum? No, hardly. Are they not cupid's leafy bower? You associate them with mother's love,—yes, with the little babe's caress. God help the ignorant who passes over so many lines of evil luxuries to injure the dissemination of one of nature's most sublime creations, flowers.

C. P. DUDLEY,

Parkersburg, W. Va.

TO MY FELLOW CRAFTSMEN.

Cheer up, the war is over! Before spring peace will reign throughout Europe. There is not a statesman, banker nor merchant prince who is not thoroughly convinced of this by this time. It is only natural that some should be reluctant to admit this, but good sense will prevail, and in due time, say within six or eight weeks, I believe the general desire for the cessation of hostilities will become manifest. Do not allow yourself to be influenced by the fairy tales that have been printed in most of our newspapers. In order to know the true conditions in relation to foreign countries, it is essential to be familiar with the general characteristics of the people in those countries.

We are soon to enter upon an era of great prosperity, for this country will be the first to be benefited when the wheels of commerce are again put in motion throughout the world. Whether we have statesmen, college professors or school boys at the head of our Nation will make little difference.

It is not my intention to delve into the merits or demerits of the various belligerents. "With malice toward none and charity for all."

A. J. GUTMAN

New York.

NEWS NOTES.

Pawling, N. Y. John Tartaro has purchased the florist business of Garabed Parnosoni, Stone House.

Malden, Mass.—A most beautiful display of roses and other cut flowers with numbers of ferns and palms were the feature of the inauguration of Mayor William M. Blakeley at the Malden High School, Monday evening, Jan. 4. This is quite different than that of some other localities where flowers are officially tabooed.

JOHN BREITMEYER'S SONS

Cor. Broadway and Gratiot Aves.

DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good sections of Ohio, Indiana and Canada. Members Florists' Telegraph Delivery Association.

THE ROSERY

23 STEUBEN ST.

ALBANY, N. Y.

FLOWER DELIVERIES FOR ALBANY AND VICINITY

Members Florists' Telegraph Delivery

**WASHINGTON,
D. C.****GUDE'S**Member Florists
Telegraph
Delivery.**CLEVELAND****A. GRAHAM & SON**

5523 Euclid Ave.

Will take good care of your orders

Members of F. T. D. Association.

SAMUEL MURRAY

Kansas City, Mo.

913 Grand Ave.

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All Orders Given Prompt and Careful Attention

The Park Floral Co.

J. A. VALENTINE, Pres.

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FLORISTS**

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The largest cut flower store in America. Orders for the TWY LITTLE and for all Northwestern points given prompt attention.

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ST. PAUL, MINN.**

CHICAGO Send Your Orders to WILLIAM J. SMYTH

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Prompt Auto Delivery
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Auto delivery of Designs and Flowers to
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Stock and Work First Class

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1153 Broadway, Cor. 15th & H. Sts.
AND WALDORF-ASTORIA.

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Flowers or Design Work

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ON TELEGRAPHIC ORDER

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any occasion, in any part of the Dominion.

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PLANTSMEN

TARRYTOWN ON HUDSON, - N. Y.

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FOR
TEXAS**

The Florist **HOUSTON, TEXAS**

Member F. T. D. Association.

Flowers by Telegraph

Leading Retail Florists Listed by
Towns for Ready Reference. Orders
transferred by telegram or otherwise
to any of the firms whose address is
here given will be promptly and prop-
erly filled and delivered.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Albany, N. Y.—The Rosery, 23 Steuben St.
Boston—Thos. F. Galvin, 126 Tremont St.
Boston—Penn. the Florist, 37-43 Brom-
field St.

Boston—Zinn, the Florist, 1 Park St.
Buffalo, N. Y.—S. A. Anderson, 440 Main
St.

Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago, Ill.—Schiller the Florist, George
Asmus, Mgr.

Chicago—William J. Smyth, Michigan
Ave. and 31st St.

Cleveland, O.—J. M. Gasser Co., Euclid
Ave.

Cleveland, Ohio—Adam Graham & Sons,
5523 Euclid Ave.

Denver, Col.—Park Floral Co., 1643
Broadway.

Detroit, Mich.—J. Breitmeyer's Sons,
corner Broadway and Gratiot Ave.

Kansas City, Mo.—Samuel Murray, 913
Grand Ave.

New London, Conn.—Reuter's.

New York—David Clarke's Sons, 2139-2141
Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—Young & Nugent, 42 W. 28th.

New York—Dards, N. E. corner 44th St.
and Madison Ave.

New York—Max Schling, 22 W. 59th St.

New York—G. E. M. Stumpp, 761 Fifth
Ave.

New York—Thos. F. Galvin, Fifth Ave.,
at 46th St.

New York—J. H. Small & Sons, 1153
Broadway and Waldorf-Astoria

New York—Myer, 609-611 Madison Ave.

New York—A. T. Bunyard, 413 Madison
Ave.

Norwich, Conn.—Reuter's.

Omaha, Neb.—Hess & Swoboda, 1115
Farnum St.

Rochester, N. Y.—J. B. Keller Sons, 25
Clinton Ave., N.

St. Louis, Mo.—Fred C. Weber, 4326-28
Olive St.

St. Paul, Minn.—Holm & Olson, Inc.

Tarrytown-on Hudson, N. Y.—F. R. Pier-
son Co.

Toronto, Can.—J. H. Dunlop, 96 Yonge
St.

Washington, D. C.—Gude Bros., 1214 F
St.

Washington, D. C.—F. H. Kramer, 915
F St., N. W.

Washington, D. C.—J. H. Small & Sons,
cor. 15th and H Sts.

Westerly, R. I.—Reuter's.

Worcester Mass.—Randall's Flower Shop,
3 Pleasant St.

NEW FLOWER STORES

Franklin, Pa.—Franklin Florists.

Ithaca, N. Y. Geo. M. Cosh, State
and Aurora streets.

San Jose, Calif.—A. & E. Schlaudt,
119 South Second street.

Sharon, Pa.—M. A. Hall & Bro., Or-
pheum Theatre building.

BUSINESS TROUBLES.

Boston, Mass.—W. H. Tomlinson,
florist; assets \$684.14 liabilities \$3-
097.35.

Providence, R. I.—The Everett For-
estry Co.; assets \$1,407.79, liabilities
\$15,610.06.

Penn. The Florist

"The Telegraph Florist"

Member of Florists' Telegraph Delivery

37-43 Bromfield St., Boston, Mass.

ORDERS FOR

NEW YORK

WIRE OR PHONE TO

MAX SCHLING

22 West 59th Street, adjoining Plaza Hotel

Best Florists in the States as References

EUROPEAN ORDERS EXECUTED

Members of the Florists Telegraph
Delivery.

REUTER'S Members Florists
Telegraph
Delivery

STORES IN

New London and Norwich, Conn.
and Westerly, R. I.

We cover the territory between

New Haven and Providence

Transfer your orders for flower or
plant deliveries to

ZINN The Florist
4 Park St., Boston

HESS & SWOBODA
FLORISTS

Telephones 1501 and L 1582

1415 Farnum St.,

OMAHA, NEB.

THE J. M. GASSER COMPANY,

CLEVELAND

Euclid Avenue

S. A. ANDERSON

440 Main St., Buffalo, N. Y.

ANDERSON service means fresh, sturdy
stock, and prompt deliveries in BUFFALO
LOCKPORT, NIAGARA FALLS and
WESTERN NEW YORK.

Members of Florists' Telegraph Delivery

NEWS ITEMS FROM EVERYWHERE

BOSTON.

A. S. McDonald, of Lexington, is showing some fine Chrys. blooms to the flower market.

John A. Frazer of Woburn is the latest addition to the list of stallholders in the Boston Flower Exchange.

A splendid crop of yellow marguerites is being now cut by J. K. Chandler & Sons of Tewksbury and are among the specialties looked for by the buyers.

Penn the Florist has rented a large basement opposite his store, which is to be used for storage and make-up work. This addition gives this firm probably the largest floor space of any retail florist in New England.

Some specialties noted this week are mignonette from Herman Waldecker of Braintree; French Golden Spur from Wm. Hannan & Sons of Dorchester; carnation Morning Glow from Ed. Winkler of Wakefield.

Wax Bros. featured a table decoration in one of their windows this week. It was very tastefully made up of yellow marguerites and batchelor buttons as a low centre piece with appropriate corsages and boutonnières at each plate.

Thos. J. Clark of 443 Boylston street, suffered an untimely loss before Christmas. With a store crowded with plants of all kinds the heat gave out the night before Christmas and caused a loss of over \$400 by frost. Except for this unfortunate incident the holiday season was highly successful, the best yet in the history of this firm.

A sensational floral piece from Penn the Florist was noted at the inauguration of Gov. David I. Walsh, Jan. 7. It consisted of a barrel filled with long stemmed Killarneys, spreading about six feet in diameter. Several newspaper photographers were seen taking the picture of this piece, which was but one of scores sent by friends of the Governor.

H. Kolow of Summer street, who recently doubled the size of his store, is doing a remarkable business, considering the facilities at hand. Although still one of the smallest stores in the city the net income is probably fully as much as some of the larger stores. Thousands of people pass by daily on their way to and from the railroad station, thus making the location particularly favorable.

A credit association is being formed by local growers as a result of the meeting held Dec. 26 by the creditors of Frank W. Houghton. There have been many failures during the last few years and this action is necessarily the ultimate outcome of the severe losses suffered by the growers and salesmen. The credit association and retail distribution through co-operative stores, public markets, etc., are some of the many problems that are being actively discussed by local growers and other members of the trade in anticipation of the meeting to be held Jan. 11 at the American House.

New London, Wis. Guy Blondy has purchased a half interest in the Guelson Floral Co.

SAN FRANCISCO.

The MacRorie-McLaren Company is shipping in a lot of stock for the gardens around the New York State building of the Panama-Pacific Exposition.

The Gill Nurseries of Oakland are still making large deliveries of plants for the landscape work around the Oakland municipal auditorium, south of Lake Merritt, for which they have supplied most of the stock.

The large store of the Luther Burbank Company, opened some months ago at Market and Beale streets, has been making quite a specialty of flowering plants, in which it reports a large business during the holiday season. The windows have been arranged in garden effect, with a fine display of cyclamen, begonias, shrubs, etc.

According to reports in the trade, the Japanese growers who bring in a large part of the cut flowers to San Francisco have had a rather poor season; but they are believed to be in a strong position financially, owing to their cooperative methods. They stand so close together, it is said, that when any one gets into a tight position financially, the others all contribute to help him out. They also have a loan fund, by which each in turn, if he so desires, may borrow up to \$500 from the common treasury.

KNOXVILLE, TENN.

Mrs. Rosa Hall Ryno reports 25 per cent. increase over last Xmas.

A. J. McNutt states that he found plants of medium size far better sellers than large expensive ones.

A. H. Dailey found inexpensive potted plants greatly in demand and better sellers than cut flowers.

C. L. Baum contends that cyclamen and azaleas of medium size are more in demand than any other plants, while poinsettia and begonias find very slow sales and are unsatisfactory to both florist and customer.

Xmas weather was the worst ever experienced. It rained all day the 24th and the morning of the 25th, tapering off on the afternoon of the 25th with snow and freezing weather; nevertheless trade was very good and practically everything was sold out, and on comparing statements business shows a nice increase over Xmas of 1913. On account of the cloudy weather for the past month or six weeks, flowers did not bloom as freely as they should and it was necessary to buy a few cut flowers from other markets. Plants of all kinds were good and plentiful and seemed to be more in demand than heretofore. Medium size azaleas and cyclamen seemed to be the best sellers, while poinsettia and begonias sold fairly well. C. W. Crouch reports a very fine trade and sold out everything clean.

Eugene, Ore.—W. C. Kaber of La Porte, Ind., has purchased an interest in the Eugene Floral Company, and will take charge of the growing end of the business.

CHICAGO.

Five hundred thousand gladioli bulbs have been sold to the State St. department stores. More competition for the seedsmen in the spring.

A. F. Longren, Clifford Pruner and R. J. Parker, traveling salesmen, all started out with the new year representing Poehlmann Bros. and others.

At Poehlmann Bros.' supply rooms, manager Waters is making a general rearrangement and all lines can be seen at a glance in the different departments. A good season in supplies is reported.

J. Kruchten is not finding his loss on his greenhouse stock so complete as it appeared at first, but it is severe enough. Gas got into the houses through a defective pipe just before Christmas.

The Mrs. Russell rose may now be said to have established itself in this market. As grown by the Poehlmann Bros., it has outclassed everything except American Beauty in size and as a money getter. Regular cuts have been made steadily from June 1, with no deterioration of quality, the best bringing 20c. throughout the summer. For the holidays its size, color, foliage and productiveness were all that could be desired and after a seven months record it has won a high place for itself. Some Mrs. Hadley roses are now being cut and this variety is slowly gaining ground here.

A change of signs from Lubliner & Trintz to George Wienhoeber took place with the beginning of the new year and marks one more of the young men leaving the ranks of the employed to join the fortunes of those who go into business for themselves. Lubliner & Trintz will retire from the business, having other interests which they have found more profitable. George Wienhoeber bought the lease of their store at 41 S. Wabash Ave. including fixtures. For many years he has been manager of the Fleischman Floral Co. in the Railway Exchange Bldg., and is a nephew of Ernest Wienhoeber, well-known retail-

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HAPPY NEW YEAR To the Florist Trade of America

We have now come to the turning point of an exacting period. The busiest season of the year should now ensue. It will be just what you and I make it. If customers are slow in coming forward, get after them and tell them what you can do for them, just as we are getting after you in this New Year's Greeting.

We have the greatest and most complete collection of Florist Supplies in this country. Stunning New Year' Novelties for Dinner and Wedding Decorations and St. Valentine's Day. Located within one block of all the Express Companies, and the Parcel Post is right at our door. We can fill your orders at a moment's notice. Try us!

H. BAYERSDORFER & CO., The Florists' Supply House of America **1129 Arch St., PHILADELPHIA, PA.**

er on the north side. Two of the Fleischman employees, George Mohn and Peter Miller will assist Mr. Wienhoeber in his new venture.

WASHINGTON.

James Dagleish has returned to his duties at the store of J. H. Small & Sons after an illness of about a week.

Mr. and Mrs. George H. Cooke were last week called to Buffalo, N. Y., to attend the funeral of a life long friend.

Due to the fact that the income of the government derived from customs returns will go behind by nearly \$70,000,000 during the present fiscal year, it will be necessary, according to a prominent member of the Ways and Means Committee of the House of Representatives, for the next Congress to either renew or enact legislation similar to the present internal revenue law of October 22, 1914. Under this law all commission houses are subject to a tax of \$20.

The most elaborate decoration seen here in recent years was that accomplished by J. H. Small & Sons for Mrs. Clarence Moore at Rauscher's ballroom late last month. Tall cedar trees lined the walls of all of the rooms except the spacious supper rooms. Here the cedars were massed about the pillars of the apartments and the walls were festooned with southern smilax and quantities of holly and poinsettias. The ballrooms on the second floor were arranged in the form of an Italian garden. The walls were a solid mass of cedars from floor to ceiling, except in the ballroom where the mirrors were outlined with smilax studded with holly, pussy willow hanging fringe-like over the tops. Branches of scarlet berries, with broad scarlet satin ribbons, were placed under the lights on the walls and the ceilings were all a mass of smilax with a fringe of Alabama moss hanging throughout. The doorways were outlined with the cedars, and the stairways had merely an aisle through a forest of evergreens.

PITTSBURGH.

The Blind Floral Company, 511 Liberty avenue, with greenhouses at West View, has recently installed a new stoker and pumping system, as well as built a great pond.

Randolph & McClements are again

fortunate in the presence of Samuel McClements, who was confined to his house during the holidays through illness resulting from a combination of cold and overwork.

John W. Jones, foreman of the Phipps Conservatory, has his force of men busy getting the roses ready and other preparations for the Easter Show and cleaning the tropical plants. Several of the palms are fifty feet high and one reached the sixty-five feet high glass roof, requiring the result of its ambition to be "cut off." The most striking display just now is made by the Lorraine begonias and poinsettias.

On the whole, probably no mercantile business in Pittsburgh has been less affected than the floral by the general financial depression of this most notable season of 1914-15. Indeed, judging from building operations, improvements and general indications despite adverse conditions, the New Year opens favorably, rather than otherwise. During the holidays the Pittsburgh Cut Flower Company was, figuratively speaking, a hive of industry by night as well as by day in supplying the retail dealers of western Pennsylvania, eastern Ohio and West Virginia. The handsome and substantial new home of this firm now in course of construction, will probably be ready for occupancy in time for the Easter trade. The structural work is entirely of iron and, while only three stories will be finished at present, the foundation has been laid with a view to twelve in the future. The prospective store is almost directly opposite the firm's present headquarters at 121 Seventh street.

York, Neb.—The C. S. Harrison Nursery Co. are enlarging their business. From thirty pounds of peony seed, they have grown thirty extra fine ones, which they have been testing for years, before putting them on the market. They have also originated some superior irises which will yet be heard from. They have now 200,000 iris in 250 varieties. C. S. Harrison personally bought two lots in the heart of York, a city of 7,000 people,—and has planted them to \$1,000 worth of the choicest iris and peonies. Every foot can be irrigated, and the plot will be a fine park, which all the people can enjoy.

PERSONAL.

R. T. Brown of Cottage Gardens Co., Queens, N. Y., has gone on a trip to California and will return about January 20.

Miss Margaret Sullivan and Edward L. Higgins, head gardener at the McCormick estate, Cohasset, Mass., were married January 1.

R. E. Ballantyne, formerly florist at the Sonnenberg greenhouses, has resigned and accepted a position with the State Experiment Station at Geneva, N. Y.

Arthur Comery is added to the traveling force of N. F. McCarthy & Co., of Boston. He is one of the popular men "on the road" and he represents a standard house.

Word has been received from E. H. Wilson of the Arnold Arboretum that he has started on his homeward trip from Japan and will arrive in Boston the latter part of January.

Charles D. Stark has resigned his position as gardener for Mr. T. Suffern Tailor at Newport, R. I. Mr. Stark has been in charge of this place the past twenty-eight years but most of that time with another owner.

A. M. Davenport of Watertown, Mass., was waylaid by a trio of footpads when going home from Boston at 11 P. M. last Wednesday night and relieved of \$2.00, fortunately all the cash he had in his pocket.

Announcement has just been received of the marriage of Fred Lautenschlager, representative of Kroeschell Bros., of Chicago, to Miss Margaret Marie Bemus, of Erie, Pa., on August 29, 1914. At home after Jan. 10 at 3500 North Herndon Street, Chicago.

Westfield, N. J.—Frederick Doerrer was severely cut about the face last Sunday morning when he was compelled to jump through the side of one of his greenhouses to avoid being run over by his automobile which had started to run while he was at work on the machine. The doctor took twelve stitches in the cuts on his face.

St. Louis—George Waldbart had his new pleasure car stolen from his garage on Monday Dec 28 by joy-riders. The car was recovered the next day in the country badly damaged.

CARNATIONS

The best varieties—well grown—flowers of good keeping qualities. The Best in Carnations is always the cheapest in the end. For real satisfaction, send your orders in our direction.

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If interested, send us your name and address for our weekly price list.

WELCH BROS. CO.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS — TRADE PRICES—Per 100 TO DEALERS ONLY

	CINCINNATI January 5	CHICAGO January 5	BUFFALO January 5	PITTSBURG January 5
Roses				
Am. Beauty, Special.....	1.00 to 40.00	1.00 to 45.00	30.00 to 40.00	45.00 to 50.00
" Fancy and Extra.....	1.00 to 1.00	1.00 to 25.00	25.00 to 25.00	25.00 to 25.00
" No. 1.....	8.00 to 8.00	1.00 to 1.00	20.00 to 20.00	6.00 to 15.00
Killarney, Richmond, Extra.....	1.00 to 6.00	8.00 to 6.00	1.00 to 6.00	10.00 to 10.00
" Ordinary.....	1.00 to 1.00	1.00 to 1.00	5.00 to 5.00	5.00 to 5.00
Hillingdon, Ward, Sunburst, Extra.....	6.00 to 1.00	8.00 to 1.00	1.00 to 1.00	15.00 to 15.00
" Ordinary.....	1.00 to 1.00	5.00 to 4.00	1.00 to 4.00	4.00 to 4.00
Maryland, Shawyer, Taft, Extra.....	1.00 to 1.00	8.00 to 10.00	8.00 to 10.00	8.00 to 10.00
" Ordinary.....	4.00 to 6.00	1.00 to 4.00	1.00 to 4.00	1.00 to 4.00
Russell, Hadley, Ophelia.....	1.00 to 10.00	1.00 to 1.00	12.00 to 15.00	15.00 to 20.00
Carnations				
Fancy.....	1.00 to 2.00	3.00 to 3.00	3.00 to 3.00	2.00 to 2.00
Ordinary.....	1.00 to 2.00	1.00 to 1.00	3.00 to 3.00	2.00 to 2.00
Cattleyas	1.00 to 50.00	1.00 to 60.00	1.00 to 50.00	5.00 to 60.00
Cypripediums	1.00 to 1.00	1.00 to 1.00	1.00 to 15.00	15.00 to 15.00
Lilies, Longiflorum	1.00 to 1.00	6.00 to 10.00	1.00 to 10.00	1.00 to 12.00
Lily of the Valley	1.00 to 1.00	3.00 to 4.00	1.00 to 5.00	3.00 to 4.00
Violets	1.00 to 1.00	1.00 to 1.00	1.00 to 1.00	1.00 to 1.00
Snapdragon	1.00 to 1.00	1.00 to 1.00	1.00 to 6.00	4.00 to 8.00
Narcissus, Paper White	1.00 to 1.00	1.00 to 1.00	1.00 to 1.00	1.00 to 1.00
Corn Flower	1.00 to 1.00	1.00 to 1.00	1.00 to 1.00	1.00 to 1.00
Freezia	1.00 to 1.00	1.00 to 1.00	3.00 to 1.00	1.00 to 1.00
Daffodils	3.00 to 1.00	1.00 to 1.00	5.00 to 6.00	3.00 to 6.00
Stevia	1.00 to 1.00	1.50 to 1.00	1.00 to 1.00	1.00 to 1.00
Sweet Peas	1.00 to 1.00	1.00 to 1.00	1.00 to 1.00	1.00 to 1.00
Gardenias	1.00 to 25.00	1.00 to 1.00	1.00 to 3.00	1.00 to 1.00
Adiantum	1.00 to 1.00	1.00 to 1.00	1.25 to 1.00	1.00 to 1.25
Smilax	1.00 to 12.50	1.00 to 1.00	1.00 to 1.00	1.00 to 1.00
Asparagus Plumosus, Strings (100)	1.00 to 15.00	1.00 to 50.00	1.00 to 1.00	35.00 to 35.00
" & Spreng. (100 bchs.).....	1.00 to 1.00	1.00 to 1.00	1.00 to 1.00	20.00 to 25.00



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"The" Wholesale Florist of Cincinnati
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Hardy Fancy Fern Our Specialty

264 RANDOLPH ST., DETROIT, MICH.

Flower Market Reports

BOSTON Thirty per cent. below normal—that briefly and and very lucidly expresses the situation of the wholesale flower trade at this writing. Business generally was disappointing before Christmas and now—well, it has pretty nearly disappeared altogether. Plenty of stock and few buyers is one phase of the condition in the markets. The weather is warming up and it looks as if our annual January thaw was due. The retail stores generally report fair trade, but the market salesmen and big wholesalers are inclined to be pessimistic, at least just now. Canadian shipping has fallen off considerably and its decrease is being keenly felt by the wholesalers. Roses are selling fairly well, also violets; but carnations seem to have lost their popularity with the buying public and are being balanced by the increasing sale of marguerites, which several prominent retailers claim to be the coming flower for the average buyer. There are some beautiful English primroses coming in and we have noticed some excellent myosotis in spots. Calendulas are now in the regular class judging from their appearance generally in the florists' windows.

CHICAGO The effect of the holidays still lingers in the market, making trade a little slow. The vast quantity of stock which came into the stores of the wholesalers during a period of ten days has had a tendency to keep prices down, and this, with a rather light demand, has made local sales foot up small. Outside trade has fared better and most wholesalers report shipping trade very good. Quite a little stock was used up locally in refilling orders which had been frozen in delivery. This loss is the retailers' mostly and the heaviest loss was in plants. New Year's day and the day following were fairly good, but the opening of the next week found business very dull. The big crop of American Beauties is now going off and a more normal supply is coming. Sunburst and Ward are also in diminished quantity but these are plenty to meet the demand. Mrs. Russell is shortening for wood is being cut for propagating. Nothing very encouraging can be said of the carnation situation. The market is overfilled and special prices are made on all large orders to move stock. Oncidiums are now out of the market but there is a good crop of cattleyas coming in. Sweet peas are almost out of the question. The buds are forming and it will be the last of the month before there will be a good supply.

CINCINNATI New Year's business, to a certain extent, was rather disappointing. At best it amounted only to an ordinarily good day. The supply since Christmas has been very heavy and appears to be increasing day by day. The call is steady but not very active. Roses, including American Beauties, continue in over large excellent supply. Carnations are very plentiful but the general run is not of the best quality. A few poinsettias that come in have a fair sale. Lilies are plentiful. Violets, both double and single, lily of the valley, orchids and the better grade of sweet peas do tol-



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A few of those soft, furry, tufted sprays of

PUSSY WILLOW

with every box of flowers gives it just that touch of individuality that every florist is trying to attain.

50c and 75c per bunch

SINGLE DAFFODILS, \$5.00 per 100, 250 for \$10.00.

PAPER WHITES, \$3.00 per 100.

SWEET PEAS, pink, white, lavender, cerise, \$1.00 and \$1.50 per 100; Spencers \$2.00 per 100.

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1216 H St., N. W.

WHOLESALE FLOWER MARKETS		TRADE PRICES—Per 100 TO DEALERS ONLY					
		BOSTON January 7		ST. LOUIS January 4		PHILA. January 1	
Roses	Am. Beauty, Special	10.00	to 12.00	4.00	to 5.00	3.00	to 4.00
	“ “ Fancy and Extra	12.00	to 20.00	25.00	to 30.00	15.00	to 20.00
	“ “ No. 1	4.00	to 5.00	5.00	to 10.00	10.00	to 15.00
	Killarney, Richmond, Extra	4.00	to 10.00	5.00	to 7.00	7.00	to 10.00
	“ “ Ordinary	1.00	to 4.00	1.00	to 4.00	1.00	to 2.00
Hillingdon, Ward, Sunburst, Extra	“ “ Ordinary	1.00	to 2.00	1.00	to 1.50	1.00	to 1.50
	“ “ Ordinary	1.00	to 2.00	1.00	to 1.50	1.00	to 1.50
	“ “ Ordinary	1.00	to 2.00	1.00	to 1.50	1.00	to 1.50
Maryland, Sawyer, Taft, Extra	“ “ Ordinary	1.00	to 2.00	1.00	to 1.50	1.00	to 1.50
	“ “ Ordinary	1.00	to 2.00	1.00	to 1.50	1.00	to 1.50
Russell, Hadley, Ophelia	“ “ Ordinary	1.00	to 2.00	1.00	to 1.50	1.00	to 1.50
	“ “ Ordinary	1.00	to 2.00	1.00	to 1.50	1.00	to 1.50
Carnations, Fancy		1.00	to 4.00	1.00	to 4.00	1.00	to 4.00
“ “ Ordinary		1.00	to 2.00	1.00	to 2.00	1.00	to 2.00
Cattleyas		1.00	to 1.00	1.00	to 1.00	1.00	to 1.00
Cypripediums		1.00	to 1.00	1.00	to 1.00	1.00	to 1.00
Lilies, Longiflorum		1.00	to 1.00	1.00	to 1.00	1.00	to 1.00
Lily of the Valley		1.00	to 1.00	1.00	to 1.00	1.00	to 1.00
Violets		1.00	to 1.00	1.00	to 1.00	1.00	to 1.00
Snapdragon		1.00	to 1.00	1.00	to 1.00	1.00	to 1.00
Narcissus, Paper White		1.00	to 1.00	1.00	to 1.00	1.00	to 1.00
Corn Flower		1.00	to 1.00	1.00	to 1.00	1.00	to 1.00
Freezia		1.00	to 1.00	1.00	to 1.00	1.00	to 1.00
Daffodils		1.00	to 1.00	1.00	to 1.00	1.00	to 1.00
Stevia		1.00	to 1.00	1.00	to 1.00	1.00	to 1.00
Sweet Peas		1.00	to 1.00	1.00	to 1.00	1.00	to 1.00
Gardenias		1.00	to 1.00	1.00	to 1.00	1.00	to 1.00
Adiantum		1.00	to 1.00	1.00	to 1.00	1.00	to 1.00
Smilax		1.00	to 1.00	1.00	to 1.00	1.00	to 1.00
Asparagus Plumosus, Strings (100)		1.00	to 1.00	1.00	to 1.00	1.00	to 1.00
& Spreng. (100 Bchs.)		1.00	to 1.00	1.00	to 1.00	1.00	to 1.00

erably well. Narcissus and Roman hyacinths sell only at the lowest price. Callas are fine.

NEW YORK The old-time New Years no longer exists in New York, so far as the flower demand is concerned. There is, of course, some increased activity in the retail stores and a good many gifts of plants and flowers are sent out, but so vast is the wholesale flower trade now that this makes only the faintest ripple on the surface, where the great product of the producers is concentrated for wholesale distribution. There is no necessity for the retailer to display any eagerness for stock as he knows that, with only rare exceptions, the wholesale market is carrying far more than is likely to be needed for the season.

some spasmodic transient movement, where one or another variety happens to be in reduced supply, that the wholesale district experiences any flurry. So all we can say of the present conditions is that, since Christmas, all values have been tending downward and the salubrious weather prevailing at the present time will have a tendency to hasten the decline. Nothing is scarce and many things are overplentiful in a very sluggish market. Quality is high, especially on roses. Carnations are perhaps the exception, but cattleyas are no far more so.

PHILADELPHIA Here, while fairly good, the market is not very active.

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Lonicera, Palmetto, Cycas, both fresh
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NEW YORK QUOTATIONS PER 100. To Dealers Only

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	Last Half of Week ending Jan. 2 1914		First Half of Week beginning Jan. 4 1914	
American Beauty, Special	30.00	to 40.00	25.00	to 35.00
" " Fancy and Extra	15.00	to 25.00	15.00	to 20.00
" " No. 1	6.00	to 10.00	8.00	to 12.00
Killarney, Richmond, Extra	8.00	to 10.00	6.00	to 8.00
" " Ordinary	4.00	to 6.00	3.00	to 5.00
Hillingdon, Ward, Sunburst, Extra	8.00	to 10.00	6.00	to 10.00
" " Ordinary	4.00	to 6.00	3.00	to 5.00
Maryland, Shawyer, Taft, Extra	8.00	to 10.00	6.00	to 10.00
" " Ordinary	3.00	to 6.00	4.00	to 5.00
Russell, Hadley, Ophelia	6.00	to 15.00	5.00	to 15.00
Carnations, Fancy Grade	2.00	to 4.00	2.00	to 3.00
" " Ordinary	1.00	to 2.00	1.00	to 2.00

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WIRE DESIGNS and FLORISTS SUPPLIES

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Flower Market Reports

(Continued from page 54)

nothing wonderful; and neither in volume nor value was it up to the same period of a year ago. One fortunate thing about it was that the weather was mild and that helped a good deal in cleaning up some of the Christmas surplus. Supplies continued to come in freely all along the line and prices ruled low. There was an exception to this in American Beauties. There were fewer of these and they fell off in quality. The reaction due to the forcing for the Christmas market was quite apparent. Russells continue to sell well and the quality is all that can be desired. Hadleys are scarce and there are also fewer Richmonds to be seen around. All the Killarneys are plentiful and the quality very fine—even better than at Christmas. Violets, singles especially, have improved and are now going better than they have so far this season. Carnations are plentiful and very cheap. Trumpet major narcissi are a new note in the symphony and are bringing good prices. While sweet peas have become more plentiful the market could take more. Snapdragon also is on the scarce side and in good demand. Too many orchids.

SAN FRANCISCO

On counting up the results of their Christmas business, the local retail florists feel very well satisfied. The wholesalers, however, are not any too well pleased, some saying that the trade was hardly as large as last year, the outside demand running rather strongly to cheap stuff. The shipping business in roses was only fair, and with a very poor cut of violets they could not begin to fill their outside orders. This week has been quite a busy one locally, with considerable decorating to be done for the New Year celebration; and sales at the stores, both of cut flowers and potted plants, have been very fair for the week after Christmas. Violets are still very scarce, small and rather short, the weather being much too cold for fine stock. Roses are plentiful, fine and rather easy in price. There has been a big cut of Richmond, Killarney, Aaron Ward and Sunburst, while Beauties are in fair supply with a moderate demand. There seem to be plenty of carnations, but the growers are still holding prices up fairly well. A few chrysanthemums are still appearing, but find only a limited demand. Daffodils and freesias are showing up very nicely, and have so far been well received. There are still plenty of orchids, and cyclamen and begonias are coming in quite freely. Poinsettias are still appearing in moderate quantities, and while sales last week were heavy the demand is still active. Lilies of the valley also remain fairly plentiful. A feature of the holiday trade was the shipment of a carload of California cut flowers to southeastern Alaska ports, via Seattle.

ST. LOUIS

The market since Christmas has been in excellent condition with plenty of anything in season, especially so in roses and carnations. New Year's trade here was most satisfactory with both the wholesaler and

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New Crop Fancy Ferns - - - \$0.75 per 1000
Dagger Ferns - - - .75 per 1000

Discount on large orders

USE OUR LAUREL FESTOONING

For your decorations, made fresh daily from the woods, 4c, 5c and 6c per yard

Tel. Office, New Salem, Mass.
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Bronze and Green Galax, \$1.00 per 1000;
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Sphagnum Moss, large sack, only 40c.
Pine by the pound, 8c., or by the yard.
Branch Laurel, 35c. for a large bundle.
Southern Smilax, 50-lb. cases, \$5.00.
Green and Bronze Leucothoe Sprays, \$3.00 per 1000.

Fine Boxwood, \$7.50 per 50-lb. case.
Order in advance.

Write, wire or telephone 13 R4.

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NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Jan. 2 1914		First Half of Week beginning Jan. 4 1914	
Cattleyas	15.00	to 50.00	15.00	to 40.00
Lilies, Longiflorum	6.00	to 8.00	6.00	to 8.00
" Rubrum	4.00	to 6.00	2.00	to 3.00
Lily of the Valley	1.00	to 4.00	1.00	to 4.00
Violets	.50	to .75	.50	to .75
Snapdragon	4.00	to 8.00	4.00	to 8.00
Narcissus, Paper White, Roman Hyacinths	1.00	to 2.00	1.00	to 2.00
Corn Flower	1.00	to 2.00	1.00	to 2.00
Stevia	.....	to 1.00	.....	to 1.00
Mignonettes	4.00	to 8.00	4.00	to 8.00
Lilac (per bunch)	.....	to 1.00	.....	to 1.00
Sweet Peas (per 100 bunches)	4.00	to 10.00	4.00	to 8.00
Gardenias	15.00	to 35.00	15.00	to 35.00
Adiantum	.50	to .75	.50	to .75
Smilax	8.00	to 10.00	8.00	to 10.00
Asparagus Plumosus, strings (per 100)	25.00	to 30.00	20.00	to 35.00
& Spreng (100 bunches)	20.00	to 35.00	20.00	to 35.00

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**New England Grown Roses, Violets, Pansies, Primroses,
Sweet Peas, Corn Flowers, Daisies**

Highest Prices for Choice Stock. Write for Particulars.

B. S. SLINN, Jr., 57 W. 26th Street
NEW YORK

the retailer, with cut flowers leading in demand this time, few plants being called for. The reports from some of our leading store men say that this New Year's business was better than last year, owing to the fact that open house was general through the city. At the wholesale markets now we see plenty of good roses and carnations at greatly reduced prices—bulb stock plenty except Roman hyacinths. Violets and sweet peas are not any too many at present. There are a few good callas and plenty of lily of the valley. All greens are plenty except asparagus.

WASHINGTON

The omission of all state and diplomatic reception, including the President's public reception on New Year's day, greatly lessened the demand for flowers. Washington on New Year's Day was socially dead. The florists have always counted on this day's business, which represents thousands of dollars to them, but they will have to wait until things are different. There has been an unusually large supply of flowers, and in some instances stocks could be had at whatever the retailer might choose to offer. While stock is exceptionally good, the cloudy weather has had a bad effect on pink roses. Pink Killarneys have been decidedly off color. A glut of carnations caused a marked decrease in their price. Fine daffodils are being offered at \$3 and \$4 per hundred.

CALIFORNIA NOTES.

The Ripon Nursery opened a store at Woodland, Cal., Jan. 1.

Endsley's greenhouses and floral shop at Colfax, Wash., has moved to a new location on Park street.

The MacRorie-McLaren Company's nursery shipped 1,400 phalaenopsis blooms to San Francisco for the Christmas trade. This company has just closed a contract for a very large planting on the hillsides back of Vallejo, Cal., which is said to be one of the largest landscape jobs ever undertaken on the Pacific Coast. The work, which is being financed by a number of Vallejo manufacturers, will be done under the supervision of Mr. Refinghoff, of the MacRorie-McLaren Company. It consists mainly of planting native trees and shrubs, California poppies, lupines, etc., converting a formerly barren spot into a picturesque landscape. An initial shipment of five cars of stock has just been sent to Vallejo.

DURING RECESS.

Scores of the New York Florists' Bowling Club.

Subject
to be
discussed
by the
club
on
Jan. 10

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AMPELOPSIS

Ampelopsis Veitchii 3 yr., extra strong roots and tops, 3 to 4 ft., \$8.00 per 100; 2 yr., strong, 2 to 3 ft., \$1.00 per 100, \$35.00 per 1000, 2 yr., good, 18 to 24 in., 50 by parcel post, \$2.00; \$5.00 per 100; \$25.00 per 1000, by express. All packed to carry safely without extra charge. CHAS. BLACK, Hightstown, N. J.

APHINE

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BAY TREES—Standard and Pyramids. All sizes. Price List on demand. JULIUS ROEHRS CO., Rutherford, N. J.

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BEGONIAS

Julius Roehrs Company, Rutherford, N. J.
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Begonia Gloire de Chatelaine, 2 in., \$1.00; 3-in., \$7.00; 4 in., \$12.00; 5-in., \$20.00 per 100. These are an extra choice lot of plants; if not used for sale, they make good stock plants at a bargain price. CHRIST WINTERICH, Cyclamen Specialist, Dehance, O.

BOILERS

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"King Ideal" Boiler.

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Hitchings & Co., New York City.
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Lord & Burnham Co., New York City.

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Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made. Write for list. HOLTON & HUNKEL CO., Milwaukee, Wis.

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BOX TREES—Standards, Pyramids and Bush. In various sizes. Price List on demand. JULIUS ROEHRS CO., Rutherford, N. J.

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Lily Bulbs.
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August Rolker & Sons, New York City.
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Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
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Bulbs of all descriptions. Write for prices.
NEW YORK Branch, 8-10 Bridge St.

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Canna Specialists.
Send for Canna book.
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New Carnation Alice.
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CARNATION STAPLES

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 1000 for 35c.; 3000 for \$1.00 post paid. I. L. PILLSBURY, Galesburg, Ill.

Supreme Carnation Staples, for repairing split carnations, 35c. per 1000; 3000 for \$1.00. F. W. WAITE, 85 Belmont Ave., Springfield, Mass.

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Wood Bros., Fishkill, N. Y.
Chrysanthemums Rooted Cuttings.
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CHRYSANTHEMUM STOCK PLANTS—50 standard varieties, \$3.00 per 100; 60c. per doz. H. ROLFE, Hammon, N. J.

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20th Century Plant Food Co., Beverly, Mass.
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Thomas Roland, Nahant, Mass.
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A great bargain in blooming cyclamen, lot of blooms and well set with buds, every plant a specimen, mostly light shades, 2 1/2 in., \$5.00; 4 in., \$10.00 and \$15.00; 5 in., \$20.00 and \$25.00; 6 in., \$30.00 and \$35.00 per 100. We have received a good many letters similar to this one: "Thank you very much for the beautiful cyclamen plants. It does not take a salesman to sell them." Colonial Flower Shop, Goshen, Ind.

Cyclamen seedlings, once transplanted, of our well-known strain, only the best sent out, with cultural directions; in separate colors, \$1.50 per 100; \$30.00 per 1000. These are strong, once transplanted stock, not to be compared with seedlings. 250,000 grown this season. CHRIST WINTERICH, Cyclamen Specialist, Dehance, O.

DAHLIAS

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange. GEO. H. WALKER, Dahlia Export, North Dighton, Mass.

DAHLIAS.

Send for Wholesale List of whole clumps and separate stock; 40,000 clumps for sale. Northboro Dahlia and Gladiolus Gardens, J. L. MOORE, Prop., Northboro, Mass.

NEW PAEONY DAHLIA

John Wanamaker, Newest, Handsomest, Best. New color, new form and new habit of growth. Big stock of best cut-flower varieties. Send list of wants to PEACOCK DAHLIA FARMS, Berlin, N. J.

ALEXANDER'S QUALITY DAHLIAS are the best on the market; 800,000 Clumps to offer, at rock bottom prices, in full field clumps, and strong divisions. If you are looking for stock for your 1915 Catalogue, or for forcing, send at once for free catalogue. J. K. ALEXANDER, "The Dahlia King," East Bridgewater, Mass.

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Fuchsias—Black Prince, Speciosa, double
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Independence, 1st size, 88 per 1000. Special
prices on other home grown Gladioli.
MUNSELL & HARVEY, Ashtabula, Ohio.

Gladiolus—Shakespeare, Hyde Park,
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First and second sizes. Write for prices.
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America, Augusta, Mrs. King, Halley
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First size healthy Gladoli, per 1000:
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Greenhouse glass, lowest prices. JOHN-
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Lord & Burnham Co., New York City.

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Lord & Burnham Co., New York City.

Pierson U-Bar Co., New York City.

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Metropolitan Material Co., Brooklyn, N. Y.
Iron Gutters.
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Florists' Hail Asso. of America.
J. G. Esler, Saddle River, N. J.
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HARDY FERNS AND GREEN GOODS

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Hardwood Ashes for sale. GEO. L.
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Foley Greenhouse Construction Co.,
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A. T. Stearns Lumber Co., Neponset, Mass.
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Lord & Burnham Co., New York City.

STANDARD HOT BED SASH—\$0c. each
Glass, 6 x 8, 8 x 10, 10 x 12 or 10 x 14, \$1.50
per box. C. N. ROBINSON & BRO., Dept.
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Aphine Manufacturing Co., Madison, N. J.
Aphine and Fungine.
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Lemon Oil Co., Baltimore, Md.
Standard Insecticides.
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Nicotine Mfg. Co., St. Louis, Mo.
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"Nico-Fume."
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Roman J. Irwin, New York City.
Nico Fume Liquid and Paper.
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English Ivy from field, 20 to 30 in., \$3.00;
from pots, 30 to 40 in., \$5.00 per 100
CHARLES FROST, Kenilworth, N. J.

LEMON OIL

Lemon Oil Co., Baltimore, Md.
For page see List of Advertisers.

LILY BULBS

C. S. Schwake & Co., New York City
Horticultural Importers and Exporters.
For page see List of Advertisers.

R. M. Ward & Co., New York, N. Y.
Japanese Lily Bulbs of Superior Quality.
For page see List of Advertisers.

Corp. C. S. F. Meyer, New York City
Meyer's T. Brand Giganteums.
For page see List of Advertisers.

In writing to Advertisers kindly mention Horticulture

LILY OF THE VALLEY

Chas. Schwake & Co., Inc., New York City.
Horticultural Seed Co., New York City.
For page see List of Advertisers.

McHutchinson & Co., New York City.
For page see List of Advertisers.

Low & A. Co., New York City.
Lily of the Valley Pips.
For page see List of Advertisers.

J. M. Thibault & Co., New York City.
For page see List of Advertisers.

R. & J. Fiske & Co., Boston, Mass.
Lily of the Valley Pips.

Fettler, Fiske, Rawson Co., Boston, Mass.

MASTICA

F. O. Pierce Co., New York City.
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MISCELLANEOUS PLANT STOCK

R. Vincent, Jr. & Sons Co., White Marsh, Md.
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NATIONAL NURSERYMAN

National Nurseryman Publishing Co., Inc.,
Rochester, N. Y.
For page see List of Advertisers.

"NICO-TUME"

Kentucky Tobacco Product Co., Louis-
ville, Ky.

For page see List of Advertisers.

Roman J. Irwin, New York City.
For page see List of Advertisers.

NIKOTEEEN

Nicotine Mfg. Co., St. Louis, Mo.
For page see List of Advertisers.

NIKOTIANA

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
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W. & T. Smith Co., Geneva, N. Y.
For page see List of Advertisers.

Bay State Nurseries, North Abington, Mass.
Hardy, Northern Grow, Stock.
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Boblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

F. E. Conine Nursery Co., Stratford, Conn.

NUT GROWING.

The Nut-Grower, Waycross, Ga.
For page see List of Advertisers.

ONION SETS

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

Schluder Bros., Chillicothe, O.
Onion Seed, Onion Sets.
For page see List of Advertisers.

ORCHID FLOWERS

Jan. McMillan, New York, N. Y.
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ORCHID PLANTS

Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

Lager & Hurrell, Summit, N. J.

PALMS, ETC.

A. N. Pierson, Inc., Cromwell, Conn.
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Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

PEONIES

Peonies. The world's greatest collection.
1200 varieties. See list of C. BLISCHER,
Chicago, Ill.

PICKY CYPRESS BENCHES

A. L. Smith, Lumber Co., Boston, Mass.
For page see List of Advertisers.

PIPE AND FITTINGS

Kroeschell Bros. Co., Chicago.
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Perry, Buxton, Deane Co., So. Boston, Mass.
Second Hand Pipe.

For page see List of Advertisers.

King Construction Company,
N. Tonawanda, N. Y.
Shelf Brackets and Pipe Hangers.
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PLANT AND BULB IMPORTS

Chas. Schwake & Co., New York City.
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August Rolker & Sons, New York City.
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PLANT TRELLISES AND STAKES

Seele's Tieless Plant Stakes and Trellises.
H. D. SEELE & SONS, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

For page see List of Advertisers.

PLANTS WANTED

C. C. Trepel, Brooklyn, N. Y.

RAFFIA

McHutchinson & Co., New York, N. Y.
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RHODODENDRONS

P. Ouwerkerk, Hoboken, N. J.
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Framingham Nurseries, Framingham, Mass.
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RIBBONS AND CHIFFONS

S. S. Pennock-Meehan Co., Philadelphia, Pa.
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ROSES

Henry A. Dreer, Philadelphia, Pa.
Two of Pernet-Ducher's Best Roses.
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Poehlmann Bros. Co., Morton Grove, Ill.
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P. Ouwerkerk, Hoboken, N. J.
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Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
American Crown Roses.
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Bay State Nurseries, North Abington, Mass.
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August Rolker & Sons, New York City.
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Framingham Nurseries, Framingham, Mass.
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A. N. Pierson, Inc., Cromwell, Conn.
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Rose Specialists.
THE CONARD & JONES COMPANY,
West Grove, Pa. Send for offers.

SEED GROWERS

Leonard Seed Co., Chicago, Ill.
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California Seed Growers' Association,
San Jose, Cal.
For page see List of Advertisers.

Braslan Seed Growers Co., San Jose, Cal.

SEEDS

Carter's Tested Seeds,
Novelties in Flowers and Vegetables,
Boston, Mass., and London, England.
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Schluder Bros., Chillicothe, O.
Onion Seed, Onion Sets.
For page see List of Advertisers.

Joseph Brock & Sons, Boston, Mass.
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Kelway & Son,
Langport, Somerset, England.
Kelway's Celebrated English Strain Garden
Seeds.

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J. Bojigiano & Son, Baltimore, Md.
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Chas. Schwake & Co., New York City.
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Michell's Seed House, Philadelphia, Pa.
New Crop of Flower Seed.
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W. Atlee Burpee & Co., Philadelphia, Pa.
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R. & J. Farquhar & Co., Boston, Mass.
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Thos. J. Grey Co., Boston, Mass.
For page see List of Advertisers.

Leonard Seed Co., Chicago, Ill.
Peas, Beans, Radish and all Garden Seeds.
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J. M. Thorburn & Co., New York City.
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Arthur T. Boddington, New York.
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S. Bryson Ayres Co., Independence, Mo.
Sweet Peas.

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Loechner & Co., New York City.
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S. D. Woodruff & Sons, New York.
Garden Seed.
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Ant. C. Zvolanek, Lompoc, Cal.
Winter Flowering Sweet Pea Seed.
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S. S. Skidelsky & Co., Philadelphia, Pa.
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August Rolker & Sons, New York City.
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Burnett Bros., 98 Chambers St., New York.
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Fettler, Fiske & Rawson Co., Boston, Mass.

SILKALINE

John C. Meyer Thread Co., Lowell, Mass.

SKINNER IRRIGATION SYSTEM

Geo. N. Barrie, Brookline, Mass.
For page see List of Advertisers.

SNAPDRAGONS

SNAPDRAGONS. Ramsburg's Silver
Pink, and Buxton's Pink for planting
after 'Mums'; 2 1/2 in. pots, \$2.50 per 100.
SUNNYSIDE GREENHOUSES, R. F. D.
No. 7, Schenectady, N. Y.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and
orchid baskets always on hand. LAGER
& HURRELL, Summit, N. J.

SPIREAS

James Vick's Sons, Rochester, N. Y.

STANDARD REGISTERING THERMOMETERS

Standard Thermo Co., Boston, Mass.
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STOVE PLANTS

Orchids. Largest stock in the country—
Stove plants and Crotons, finest collection.
JULIUS ROEHRS CO., Rutherford, N. J.

SWEET PEA SEED

Ant. C. Zvolanek, Lompoc, Calif.
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S. Bryson Ayres Co.,
Sunnyslope, Independence, Mo.
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VENTILATING APPARATUS

The Advance Co., Richmond, Ind.
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Quaker City Machine Co., Richmond, Ind.
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VERMICIDES

Aphine Mfg. Co., Madison, N. J.
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WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
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WIREWORK

Reed & Keller, New York City.
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Komada Bros., Philadelphia, Pa.
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Wirework. Write for our catalogue.
HOLTON & HUNKEL CO., Milwaukee, Wis.

WILLIAM E. HEILSCHER'S WIRE WORKS, 264 Randolph St., Detroit, Mich.

WHOLESALE FLORISTS

Albany, N. Y.

Albany Cut Flower Exchange, Albany, N. Y.
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Baltimore

The S. S. Pennock-Meehan Co., Franklin and St. Paul Sts.
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Boston

N. F. McCarthy & Co., 112 Arch St. and 31 Otis St.
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Welch Bros. Co., 226 Devonshire St.
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Brooklyn

Wm. H. Kuebler, 28 Willoughby St.
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Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.
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Chicago

Poehlmann Bros. Co., Morton Grove, Ill.
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Cincinnati

C. E. Critchell, 34-36 Third Ave., East.
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Detroit

Michigan Cut Flower Exchange, 38 and 40 Broadway.
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New York

H. E. Froment, 57 W. 28th St.
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James McManus, 105 W. 28th St.
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W. F. Sheridan, 133 W. 28th St.
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P. J. Smith, 49 West 28th St., N. Y.
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Moore, Hentz & Nash, 55 and 57 W. 26th St.
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Charles Millang, 55 and 57 West 26th St.
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W. P. Ford, New York
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Traendly & Schenck, 131 W. 28th St.
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The S. S. Pennock-Meehan Co., 117 West 28th St.
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WHOLESALE FLORISTS—Continued
New York.

Badgley, Riedel & Meyer, Inc., New York.
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Woodrow & Marketos, 37 & 39 West 28th St.
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J. K. Allen, 106 W. 28th St.
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George C. Siebrecht, 109 W. 28th St.
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John Young, 53 West 28th St.
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M. C. Ford, 121 West 28th St.
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Guttman & Reynor, Inc., 101 W. 28th St., New York.
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Philadelphia

Leo, Niessen Co., 12th and Race Sts.
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Edward Reid, 1619-21 Ranstead St.
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The S. S. Pennock-Meehan Co., 1608-20 Ludlow St.
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Richmond, Ind.

E. G. Hill Co.
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Rochester, N. Y.

George B. Hart, 24 Stone St.
For page see List of Advertisers.

Washington

The S. S. Pennock-Meehan Co., 1216 H St., N. W.
For page see List of Advertisers.

WANTS, FOR SALE, Etc.**SITUATIONS WANTED**

SEEDSMAN well equipped in general knowledge of the business; long experience in stock, order and store departments; duties of position have exercised tact, judgment and business qualities generally; though slow in changing positions, have kept up with the broadening tendency of the seed business; a good investment for some progressive seed firm. **DENNIS KENNA**, 436 Amity St., Flushing, N. Y. (Flushing is in New York City, Borough of Queens).

FOR SALE**Florists' Attention**

We have on hand ready for shipment all material necessary for the superstructure of a **MODERN IRON FRAME LUTTON GREENHOUSE**, 42 ft. wide x 150 ft. long. We will dispose of this material for \$1300, F. O. B. our Factory. Remember everything is new and strictly first class; just the same kind of a house that has made the **LUTTON** Reputation. We will send you even the **GALVANIZED NAILS, BOLTS AND SCREWS** for assembling the house. Plans sent on request.

William H. Lutton Company

Jersey City, N. J.

FLORIST'S BUSINESS FOR SALE.

Location on the main line P. R. R., near city; fully equipped and doing good business. Ask a wagon. Full particulars on application. **Ernst Wannemacher**, 2095 N. 63rd St., Overbrook, Phila., Pa.

FOR SALE—Fresh from factory, new 10 x 12, 16 x 18, 16 x 24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money. **PAR SHELKY BROS., INC.**, 215-217 Havermeier St., Brooklyn, N. Y.

New Offers In This Issue**CHANGE OF FIRM NAME.**

The John A. Evans Co., Richmond, Ind.
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CHRYSANTHEMUMS.

Elmer D. Smith & Co., Adrian, Mich.
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CHRYSANTHEMUMS.

Frank P. Putnam, Lowell, Mass.
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CUT FLOWERS WANTED FOR NEW YORK TRADE.

R. S. Slinn, Jr., New York City.
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DIRECT IMPORTATIONS.

McHutchison & Co., New York City.
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FLOWERS BY TELEGRAPH.

Kerr, The Florist, Houston, Texas.
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GERANIUMS.

R. Vincent, Jr. & Sons, White Marsh, Md.
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GREENHOUSE ROSES.

A. N. Pierson, Inc., Cromwell, Conn.
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MORE POTASH COMING.

German Kali Works, New York City.
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NEW ROSES FOR IMMEDIATE DELIVERY.

F. R. Pierson Co., Tarrytown, N. Y.
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SEEDS, ALL VARIETIES THOROUGHLY TESTED.

Carters Tested Seeds, Inc., Boston, Mass.
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SEEDS FOR PRESENT SOWING.

R. & J. Farquhar & Co., Boston, Mass.
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SPRING SUGGESTIONS.

S. S. Pennock-Meehan Co., Philadelphia, Pa.
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VENTILATING EQUIPMENT AND GREENHOUSE FITTINGS.

Advance Co., Richmond, Ind.
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1915 SEED CATALOGUE.

J. M. Thorburn & Co., New York.
For page see List of Advertisers.

THE NUT-GROWER

The unique monthly publication which furnishes reliable and interesting up-to-date information regarding the value of pecans and other edible nuts and how to grow them for profit.

Subscription. \$1.00 per year

Sample Copy Free

THE NUT-GROWER
WAYCROSS, GA.

In writing to Advertisers kindly mention Horticulture

Est. 1765

FOR "POT LUCK" USE

Inc. 1904

Pot Makers for a
Century and a Half**HEWS STANDARD POTS**World's Largest
Manufacturers

AND RED EARTHENWARE SPECIALTIES

Write for Catalogue
and Discounts**A. H. HEWS & CO., Inc., Cambridge, Mass.**Warehouses:
CAMBRIDGE, MASS.
NEW YORK, N. Y.

PUBLICATIONS RECEIVED.

The Practical Book of Garden Architecture. By Phoebe Westcott Humphreys.

The subject of Garden Architecture is one which the lover of nature is pretty sure to approach with some misgiving, if not actual prejudice. Architecture as a principle in garden making is responsible for some awful crimes perpetrated in the name of art and the horticulturist can hardly be blamed if he, at first, is disposed to look askance at the title of the volume we are here reviewing. He will not have gone far into its contents, however, before he comes to realize that he is in very congenial company. It is as pleasing as it is unusual to find the author of such a work going to a florist's home for an example of good taste in garden ornamentation, as this author has done in using a beautiful picture in colors of a wall fountain on H. H. Battles' estate in Newtown, Pa., as the frontispiece for this volume.

The book is most entertainingly written. The author is plainly an exponent of natural simplicity rather than the ostentatious in masonry. Too much "making" and artificial treatment are repugnant to her and quaintness and romantic beauty are a dominant note throughout. She is evidently more at home in the chapters on woods gardens, waterfalls and water scenery than that on French furniture for formal gardens. Pergolas without use or meaning and other architectural absurdities are unreservedly condemned and from first to last the difficult subject of garden architecture is treated from the standpoint of the artist and not from that of the artisan. It is refreshing to find a book of this kind which does not rail against florists' plants or variegated foliage and in which stone, brick and mortar are held subordinate to the plants and vine draperies which grow on and about them.

As evidence of the practical good sense which consistently runs through the various chapters we quote as follows:

"The garden that is attractive and loved almost universally, the flower garden, should be a place of rest and growing beauty, not a place of artificiality and art."

mony with the house and its surroundings will achieve far greater success than the 'show garden' in which the architect has slavishly followed some prescribed canon of formal or naturalistic treatment."

"Pergolas and similar features that have been extensively overdone in many localities. The caution is especially emphatic against using them where they do not belong, and only where there is some reason for their existence."

The prospectus of the publishers tells us that this volume has been prepared from the standpoint of eminent practicability, the best taste and general usefulness. It is all this, and anyone interested in garden beautifying can gain much inspiration and plenty of practical instruction from its pages. There are one hundred and twenty-five illustrations from actual examples of garden architecture and house surroundings. The book is published by J. B. Lippincott Company, Philadelphia. It can be supplied from the office of HORTICULTURE at the publisher's price, \$5 net.

Annual Report of the Bureau of Parks, Portland, Oregon, for the year 1913. A progressive document by E. T. Mische, superintendent.

CATALOGUES RECEIVED.

Peacock Dahlia Farms, Berlin, N. J. 1915 wholesale price list of "The World's Best Dahlias."

A. E. Kindred, Goshen, Ind.—Price List of New Ruffled Gladioli, Kunderdi type. Illustrated.

John H. Umpleby, Lake View, N. Y. Wholesale Price List of Derby Gardens Gladioli. For the trade.

S. M. Isbell & Co., Jackson, Mich.—Seed Annual for 1915. Strong on agricultural seeds. Covers in colors, showing specialties in vegetables and asters.

Kennedy & Hunter, New York City. Annual catalogue of Vegetable and Flower Seeds, Plants, etc., for 1915. A very neat publication in coffee colored binding.

Watkins & Simpson, Ltd., London, England.—Wholesale Trade Catalogue for 1915. Devoted to flower seeds mainly, which are listed in extensive variety. This is a superb wholesale catalogue, 108 pages, heavy coated paper and finely illustrated. There are 20 pages of interesting novelties.

Peter Henderson & Co., New York. "Everything for the Garden." This is the 1915 edition of the annual catalogue of this old and eminent house. It is well named and one would have difficulty in naming any garden essential which is not offered therein. It is elaborately gotten up, with eight color plates in the body of the work and with gold embossed white covers,

with beautiful medallions showing garden scenes in natural colors.

Sutton & Sons, Reading, England.—The 1915 Catalogue and Amateur's Guide of this well-known firm is fully up to the quality of its predecessors in typographical work, binding, etc., and in the beauty of its illustrations which is not equalled by anything we do in flower portraiture in this country. It is a delight for any flower lover to peruse such a book. There are several peas in natural colors in the vegetable section and a grand plate of antirrhinums in the flower department.

FIRES.

Buffalo, N. Y.—Beyer's Flower Shop was damaged by smoke and water from a fire in the building in which they are located, last week.

Robert Leedley of Chicago had the misfortune to lose his storehouse containing 50,000 bushels of onion sets just before Christmas. It was located on Harlem Ave., near 22nd St., and caught fire from the heating system. The stock was insured.

The classification and value of horticultural goods imported into New York for the week ending December 26, 1914, were as follows: Nitrate of Soda, \$84,684; Fertilizer, \$2,978; Clover Seed, \$2,757; Grass Seed, \$4,507; Sugar Beet Seed, \$8,779; Trees and Plants, \$2,363.

1000 READY PACKED CRATES
STANDARD FLOWER POTS AND BULB PANS

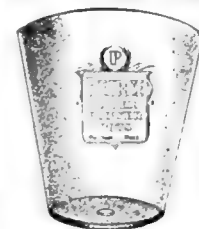
can be shipped at an hour's notice. Price per crate:

2609 1 1/2 in. @ \$6.00	500 4 in. @ \$4.50
1500 2 " " 4.88	450 4 1/2 " " 5.24
1500 2 1/4 " " 5.25	320 5 " " 4.51
1500 2 1/2 " " 6.00	210 5 1/2 " " 3.78
1000 3 " " 5.00	144 6 " " 3.16
800 3 1/2 " " 5.80	120 7 " " 4.20
	60 8 " " 3.00

HILFINGER BROS., Pottery, Fort Edward, N. Y.

August Rolker & Sons, 51 Barclay St., N. Y. City, Agents

OUR SPECIALTY—Long Distance and Trade Export



The best PAPER POT for shipping purposes. Sizes from 2 in. to 6 in.

Ask your dealer for them. Samples free.

E. ALLAN PEIRCE,
401 Oaks St.,
Waltham, Mass.

STANDARD FLOWER
POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

• 28th & M Sts. Washington, D. C.



"Israeli mill wheel"

Red Devil Glass Cutter
No. 024

A very popular tool for cutting glass with precision. Sample sent postpaid for 2 two-cent stamps. Booklet on request.

SMITH & HEMENWAY CO.

181 Chambers St., New York City.

LIQUID = "NICO-FUME" = PAPER

40% Nicotine

8-lb. can	\$10.50
4-lb. can	5.50
1-lb. can	1.50
1/4-lb. can .....	.50

288 sheet can	\$7.50
144 sheet can	4.00
21 sheet can .....	.95

THRIPS, - APHIS

SPRAYING—VAPORIZING—FUMIGATING

YOUR DEALER HAS THESE PRICES

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Incorporated, Louisville, Ky.



NIKOTEEN For Spraying APHIS PUNK For Fumigating

ASK YOUR DEALER FOR IT.

NICOTINE MFG. CO. ST. LOUIS, MO.

LEMON OIL CO'S STANDARD SOLUBLE INSECTICIDE

Guaranteed under the Insecticide Act, 1910. Series No. 321

Save your plants and trees. Just the thing for Greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrip, Red Spider, Black and Green Fly, Mites, Ants, Insects on Rose-bushes, Carnations, etc., without injury to plants and without odor. Used according to directions our standard Insecticide will prevent ravages on your crops by insects.

Non-poisonous and harmless to user and plants. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pests. Excellent as a wash for dogs and other animals. Relieves mange.

Effective where others fail.

1/2 Pint...25c; Pint...40c; Quart...75c
1/2 Gal., \$1.25; Gal., \$2.00; 5 Gal. Can., \$9
10 Gal. Can., \$17.50

Dilute with water 30 to 50 parts.

For Sale by Seedsmen and Florists' Supply Houses
If you cannot obtain this from your supply house write us direct.

LEMON OIL COMPANY, Dept. K

420 W. Lexington St., Baltimore, Md.

Directions on every package

Cocoanut Fibre Soil WAR

Does not stop the use of Humus. All seedsmen keep it in stock. It is the last word in Fertilizing Humus.

Send for Prices.

20th CENTURY PLANT FOOD CO.
27 & 29 OCEAN ST., BEVERLY, MASS

PATENTS

Trademarks and Copyrights

Send your business direct to Washington. Saves time and insures better service. Personal attention guaranteed. Thirty years active service.

SIGGERS & SIGGERS

PATENT LAWYERS

Box 9, National Union Building
Washington, D. C.



Unequalled for Greenhouse and Landscape Fertilizing

THE PULVERIZED MANURE CO.

31 Union Stock Yards, Chicago

SCOTCH SOOT

Where there is a house that is just full of buds almost ready to show color, nothing will turn better color into the flowers than a little soot, that can be scattered over the benches before watering. The amount applied should not be excessive, as the soot is very strong and may damage some of the foliage somewhat. Apply just enough to blacken the surface of the soil in the benches, and let it go at that. Better a little oftener than too much all at once.

We offer the genuine in original cwt.

Sacks, at:

\$4.00 per 112 lbs.; \$17.50 per 560 lbs.

Stumpp & Walter Co.

30-32 Barclay Street, NEW YORK

NEW CORPORATIONS

Pittsburgh, Pa.—Pittsburgh Florists' Exchange & Supply Co.; capital stock, \$5,000. Incorporators: W. A. Clarke, T. P. Lanchons and Fred Burki.

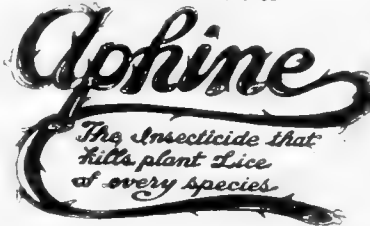
Morton Grove, Ill. Platz & Sons Co., to grow greenhouse vegetables; capital stock, \$31,000. Incorporators: Nick, Paul M. and Victor A. Platz.

San Francisco, Cal.—Joseph Samuel, Inc., florists and nurserymen; capital stock, \$25,000. Incorporators: J. Samuel, B. Samuel, R. Gordan, G. Gordan and H. Lesser.

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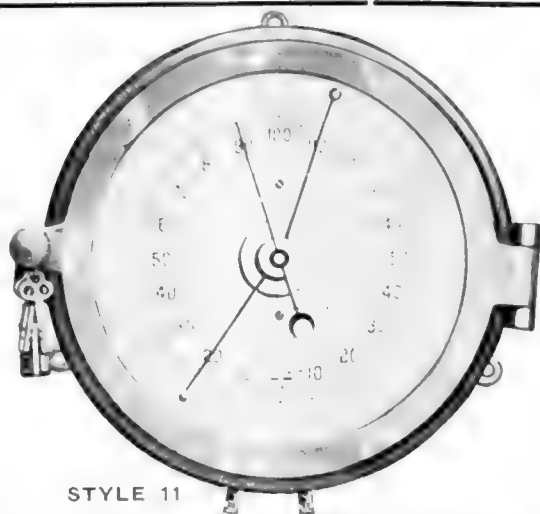
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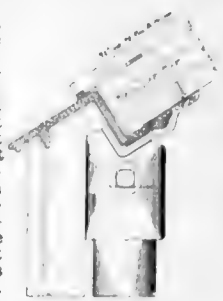
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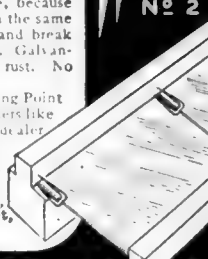
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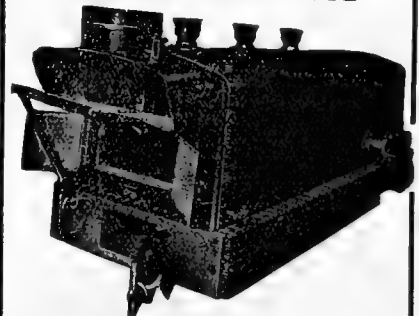
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20	18 in.	1.30	14.00	115.00
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You will find Forest Hills to be one of the most unique suburban places in this country. It is a highly restricted community, made possible through the money of Mrs. Russell Sage. It is operated under the lead of the Sage Land Trust.

The buildings are delightful combinations of English, French and Belgian architecture, all modeled after the result of the Sage Trust.

In their first Mr. DePue and his partner, who have

established this flower shop to which is attached a Hitchings Greenhouse.

Our flowers they sell in surprising quantity, but one of the big ends of their business is potted plants.

The glimpse through the door into the greenhouse is so alluring it tempts people to wander in.

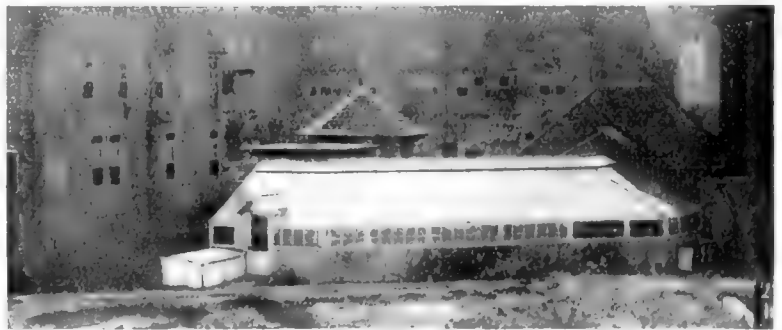
They enjoy the freedom of going up and down the walks and like best to pick things out for themselves.

These enterprising men do not call it their "show house"—not a bit of it, but the "flower garden." They lose no chance to adopt those "touches" which people like so much and for which they pay so well.

Why don't you add some glass to your shop? Let's talk it over. We go on where for business—or to talk business.



Of course, a sign like this "costs money," but don't you think for a minute, it isn't worth to their business many times more than its cost.



The limits of the lot regulated the shape of the Greenhouse. Its very oddity adds much to its interior attractiveness.

Hitchings and Company

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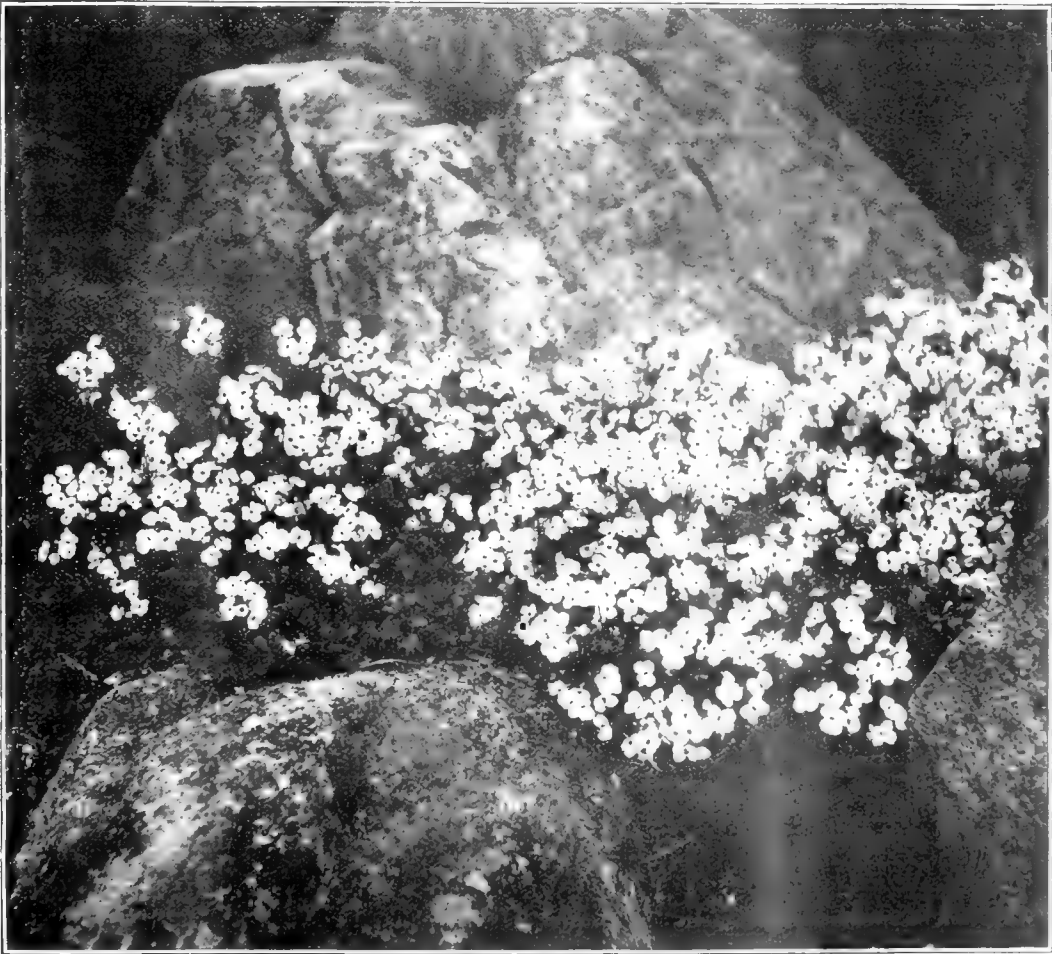
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1170 Broadway

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40 S. 15th Street

Vol. XXI
No. 3
JAN. 16
1915

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Lewis 78			House 78	Swake, Chas.	Yard, John 89

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NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be carefully received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the Editor of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil." / /

Bulbous Stock

Now that the holiday trade has left quite some bench space it will come in useful for bulbous stock. Before bringing any bulb stock into heat make sure that they have plenty of roots, otherwise to bring them into too much heat will only spell ruin. Von Sions that were brought at end of November into a cool house can now be given more heat, say 55 to 62 degrees. Tulips that are well rooted can go up as high as 70 degrees night temperature. The conditions to produce fine tulips are heat, moisture, and shade when the flowers begin to open. Roman hyacinths can stand a temperature as high as 60 degrees at night until they are fairly well out. In fact, all this bulbous stock will finish off better if given a cool house when they are out in bloom.

Bedding Plants

The florist who runs into this line quite heavy will need to keep a hustling right along, in order to have plenty of stock next spring. Stock plants should have plenty of light. A side bench in the lightest house will be an ideal place. Here they will start off into renewed growth and vigor. Where very pot-bound they will be greatly benefited by a shift into larger pots. Give them a good rich compost and they will repay you with a bountiful supply of cuttings. They will need a temperature of not less than 55 degrees, but 60 degrees would be much better. During all days that are bright they should have a good syringing. Keep the atmosphere moist by frequent dampings of the walks.

Forcing Lilacs

Batches of lilacs may be forced from January to March with good results. A good syringing two or three times a day will cause a good break all over the plant and when this is secured they will stand up to 70 degrees at night with safety. This high temperature very often has to be employed in holding lilacs at a rapid rate of development. They will even stand as high as 85 degrees and do fine. When they begin to make roots and foliage they will need lots of water at the roots. Great watchfulness in this matter is essential right up to the last. When the trusses have attained a length of about three inches the temperature should be lowered and the spraying lessened. When the flowers show signs

of opening stop syringing and keep the air dryer by giving more ventilation and less damping down. When they are full out a little shade from the strong sun will help them to keep better.

Seeds to Sow

These include all such seeds as asparagus, cannas, celosia, cuphea, gloxinia, grevillea, begonias, dracaena, musa, smilax, salvia, torenia, single and double petunia, lobelia, etc., also the following perennials: coreopsis, dianthus, delphiniums, gaillardias, gypsophila, iberis, incarvillea, lavendula, lobelia, lychnis, pentstemon, etc. These can all be sown in flats or pans, provided with proper drainage, and for a compost there is nothing better than new loam, leaf mold and sand in equal parts. Where much stock of this sort has to be raised it is a good plan to select for this purpose a bench with bottom heat to set the flats on. After sowing, press all down firmly and water with fine hose. For a top covering, after the boxes are placed side by side, paper will answer very well. Give a temperature of about 60 degrees, with bottom heat a few degrees higher. All these young plants will require careful watering, transplanting and other attention.

Sowing Smilax

Smilax should be good strong plants in 4-inch pots by the first of June and to have it by that date seed must be sown now. Crock up some pans or flats, fill with loam, leaf mold and sand well mixed; press firmly and sow the seed medium thick. Cover with about one-eighth of an inch of finely sifted compost. To hasten germination give them a steady temperature of from 60 to 65 at night. Keep them shaded until they show signs of germination when they should have all the light possible. When they can be handled nicely they should be transplanted into 2-inch pots and kept growing by necessary shifts until they are in 4-inch pots.

Stock Plants of Poinsettias

Dig up the old plants and pack them under a bench in a medium house. Do not keep them too wet at the roots as they are to go into a resting period until next April. Give enough of water to keep the wood firm until that time. What I mean by a medium house is one with about 55 degrees night temperature.

Next Week: Bedding Begonias; Calceolarias; Care of Violets; Fuchsia; C. Red Spider

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Horticulture

Publicity among the kind of readers reached by this paper is THE SORT OF PUBLICITY THAT PAYS.

ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur C. Ruzicka

With any of the topics presented on this page will be carefully reviewed and promptly answered on the condition that the contributor's name should appear in the HORTICULTURE.

Greenfly

It is a common mistake to think that greenflies do not exist in the greenhouse. They do exist, and getting after them is the only way to keep them from doing harm. The greenflies should be given quite often. This applies especially to young stock, which must be kept free from all insects or it will receive a severe check, and it will then take quite a while for the little plants to get over it, although as a rule they will show the effects all through their life. To make sure that the young potted stock is free from all insects, just take a plant every here and there and turn it upside down so that you can see well under the leaves. There is where the first insects will always appear, and spider will appear on the bottom of the leaves first, and then it will spread to the whole plant if not checked. Tobacco stems should not be burned in the houses now in midwinter, for the roses will take harm, more so with the white ones whose centers will practically be burned out. This may not be noticeable to the ordinary observer, but anyone who knows roses will see it at once. The smell of the cut roses after smoking with these stems will take at least three days to disappear.

Use of Tobacco Stems in Mulching

When the grower is assured that the benches will dry out well, it will be a very good idea to use some tobacco stems around the plants as mulch. They should not be put on very thick, for it is not necessary and would be only waste. A light mulch will be very good, and will be better than the old way of putting the stems in the walks. The stems on the benches will help keep out a good many insects that as a rule will hide among the rough pieces of soil and manure on the surface. During the present cold weather the ventilators will not be open very much, and these stems on the benches will give out a certain amount of fumes which will keep the air with a tint of tobacco in it. This will not kill fly in houses that have it, but it will go a great ways towards keeping it out of houses that are clean. These weak fumes will be so bad for the young flies that they will die or not be very healthy, and that is how they are prevented from spreading. In houses where the fly has been for a while there are a great many old ones that are very hard to kill even with strong smoke. The stems will also act as fertilizer, and will furnish the plants with a certain amount of plant food.

Syringing Potted Cuttings

No matter how clean the wood that had been used in propagating, the young plants will have to be syringed as soon as they are rooted enough to stand it. Here is where the proper setting of the young plants will be a great help in syringing. With the leaves all pointing the

cuttings it is made matter to direct the stream of water so that it will not tear the cuttings all to pieces. Use a steady stream, free from the up and down movement that is used while syringing old plants. Were this used on the young plants, it would loosen them in the pots very badly, and that would result in weak growth, and poor plants all the way through.

Roses and Carnations in Same House

Mr. A. C. Ruzicka

Dear Sir:

I have a small house in which I wish to grow carnations and roses. Is it possible to grow carnations and roses in the same house, and if so, what varieties of roses would you suggest?

These flowers would not be grown for sale, merely for home decoration.

Truly yours,

Ohio.

R. P. W.

As a rule we would never advise anyone trying to grow carnations and roses in the same house, but as yours is a private place, and the quality of the roses will no doubt count more than the quantity, you can try it. But it is too late to plant now, unless you can get hold of some good strong old plants, preferring those that had been forced in the greenhouse and then planted outside for at least one season, perhaps one winter. Plants like these will give you a nice crop of roses in carnation temperature. As to varieties we would recommend Radiance and Shawyer, with the single White Killarney for a white, Richmond for red. All these varieties will stand the low temperature of the carnation, only they will not produce as many flowers, but those that will come will be extra large. You must be careful not to feed these too much, and to keep them more on the dry side at all times, as the cool temperature would not go good with over-watered benches. If you cannot get hold of any old plants we would recommend that you postpone the growing of roses until the next season, starting the plants in the benches about June, and then planting in the carnations in August or September. If your house runs east and west, plant your roses in the front benches, and then screen the line between the roses and carnations with cheesecloth or other suitable material. This will give the carnations the shade that they need and at the same time will not shade the roses any. Do not raise the temperature more than a degree or two for the roses, or your carnations will be ruined. The roses will come along in the low temperature slowly, but they ought to be nice. Do not feed as much as you would in a regular rose house. The temperature should run not more than 52 at night, with 64 in the daytime with air, and only about 56 or 58 in rainy or dull weather. Commercially it would not pay to do this, for the cut of the roses will be much smaller than if grown under regular conditions.

Arabis

(See Cover Illustration.)

I remember at the beginning of my apprenticeship one of the first botanical names to memorize happened to be that of the rock cress: *Arabis*. A long border of peonies, in a garden of a Silesian count, was edged by a broad straight line of *Arabis albidula*. Here I had my first opportunity to see the snowy white of its myriad vernal blossoms. It is the white that blends so harmoniously with the yellow and purple of the crocus in floral spring arrays of today.

The rock cress is well known to every American horticulturist as a useful, absolutely hardy perennial of low trailing admirably dense growth. Its improved garden varieties merit the attention of every gardener and garden owner. For edging in modern herbaceous flower gardens their value remains undisputable. The foliage in some instances proves strikingly attractive. As an example I mention the variety *Arabis alpina pleno variegata*. The hirsute grayish green of the leafage of *A. albidula* fl. pl. and the more robust growing *A. alpina* fl. pl. is handsome. Plantations thereof, when during April and early May bedecked with their wealth of double pure white flowers can be easily made a conspicuous feature of a border. The best single flowering garden forms are represented by the varieties *Arabis*

alpina grandiflora superba, depicted by our illustration, and *A. alpina compacta*. All the sorts mentioned prefer a light and rather sandy soil and a high sunny location, showing a remarkable resistance during prolonged periods of drought. For this reason they rank among our best rockgarden plants and also, are an excellent material for the dry-wall. Plant collectors will find the two handsome pink flowering kinds *Arabis aubrietoides* and *A. Billardieri rosea* of special interest. Likewise are the less known but graceful white varieties, *Arabis carduchorum*, *Halleri*, *Sturii* and *vochinensis* attractive additions for large rockeries.

Single flowering varieties can be easily raised from seed sown in cold frames during April and May. Plants will bloom profusely the second season. The double and variegated leaved kinds are propagated by divisions during August and September. In order to maintain the desirable even growth, particularly when we employ rock cress for edging in the advanced type of modern formal gardens this replanting and dividing should be done every year. Neglect to do this is in most cases the reason for inferior effects the following season. A light protection by straw, leaves or evergreen boughs during winter is a necessity, particularly in northern states.

Glenside, Pa.

Richard Rothe

AMERICAN CARNATION SOCIETY.

A. C. S. Members:—Do you feel kindly toward the secretary? Well, you can lighten his work at the convention considerably by sending in your annual dues before he starts for the place of meeting. It might also save yourself more or less inconvenience and delay in not having to wait to be waited on at the desk. The time for filing entries free of charge will be up on the 17th. That date falling on Sunday, no charge will be made for entries reaching the secretary by Monday the 18th. Two dollars will be charged for each entry made after that date.

Indications point to a large gathering and one of the best exhibitions ever staged. All members are urged to make every effort to attend. A large attendance promotes enthusiasm. A member asks for a discussion on the relative merits of cuttings taken from the flower stems and those taken from the short blooming shoots. Give the matter a little thought and let us have the benefit of your experience. There will be other matters up for discussion, too.

A. F. J. BACR, Sec'y.

Carnations Registered.

By Richard Diener & Co., Mountain View, Cal.

Chamoise—White Seedling X Sunset; color, chamoise, striped pink; size of flower, 3 inches; vigorous grower and free bloomer; wiry and upright; does not split under glass; very fragrant.

Chief Dennison.—Seedling cross; color, scarlet; size of flower, 4 inches; vigorous grower, producing strong four-foot stems; non-splitting calyx; very fragrant; will make fine commercial variety.

By Albert Roper, Tewksbury, Mass.

No. 316—Parentage unnamed seedlings. Color, light pink; size, two

to three inches; tall grower with long stiff stems; free bloomer.

No. 326—Parentage unnamed seedlings. Color, flesh pink; size, three to three and one-half inches; tall grower with stiff stems.

No. 360—Parentage unnamed seedlings. Color, dark pink; size, two to three inches; very tall grower with stiff stems and clear color.

(Of what value is "registration" of seedlings under number? Ed.)

To Carnation Growers!!

I would like to call the attention of the members of the American Carnation Society to the central location of the City of Buffalo where we hold our twenty-fourth convention, Jan. 27th and 28th.

While we are in the midst of business depression that effects all, let us not forget that better times are in store for us, and every one that can possibly spare the time should endeavor to attend this year from East and West. No one can say that it is too far away this year.

We are expecting a fine display of Carnations, both novelties and standard varieties. Reports from every section indicate that quality was never better.

Come join with us, see how we conduct our business and exhibitions; give encouragement to the officers and show them that you appreciate their endeavors in trying to make this the Best Floral Festival in This Country.

S. J. GODDARD,

President A. C. S.

THE BUFFALO CARNATION MEETING.

Preparations for the reception and entertainment of the visitors in Buffalo on the occasion of the annual meeting of the American Carnation Society, January 27-28, are progressing with vigor and systematic precision. Committees are constituted as follows:

Finance Committee—Wm. F. Kasting, chairman; W. J. Palmer, S. A. Anderson, W. H. Eiss, L. H. Neuback.

Banquet Committee—W. A. Adams, chairman; Charles Schoenhut, Charles Sandford, Joseph Streit, W. H. Sievers.

Decorating and Table Committee—William Greever, chairman; Felix Alberts, Edward Slattery, Charles Felton.

Ticket Committee—Robert Scott, chairman; Edward Stroh, E. C. Brucker, W. J. Perke, William Legg.

Entertainment Committee—J. Benson Stafford, chairman; Albert Keitsch.

Reception Committee—J. E. Cowell, chairman; J. J. Albright, C. T. Guenther, Barnard Myers, R. E. Boettger, Charles Hewson, L. C. Wilkie, Charles Keitsch, George Urban, David Seymour, E. P. Kull, H. B. Tiler, William Donaldson, Henry Elbers, W. C. Stroh, R. O. King.

Executive Committee—S. A. Anderson, chairman; Wm. F. Kasting, W. A. Adams, William Greever, Robert Scott, J. Benson Stafford, J. E. Cowell.

Chicago to Buffalo.

The transportation committee of the Chicago Florists' Club has selected the Lake Shore & Michigan Southern Railroad for the trip to Buffalo, N. Y., on the occasion of the annual convention and exhibition of the American Carnation Society, to be held at the Troquois Hotel, January 27-28, taking the Lake Shore Ltd., leaving the LaSalle street station, VanBuren street, January 26 at 5.30 P. M., due in Buffalo the morning of January 27 at 6.45 A. M., central time, 7.45 A. M., eastern time. There is a party rate for 10 or more people traveling together on the same ticket of \$10.50. Pullman rates are as follows: Lowers, \$3; uppers,

For Transportation Com.

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Don't procrastinate While it is unquestionably true that horticultural supplies, including even flower seeds from Germany, have been coming through to this country in a much better manner and quantity than importers expected after the close of the European war, yet everyone in the seed trade is fully aware of the precarious outlook for the flower seed supply especially on late or increased orders. In a recent issue we made note of the warning issued by W. Atlee Burpee & Co. to their customers and in this issue appears a similar admonition sent out by R. & J. Farquhar & Co. Those of our readers who are taking their time about making up their spring seed orders should take heed and attend to it promptly for it is "a condition and not a theory" which confronts us.

Supplanting the seedsman?

The Soils and Crops Department of the Agricultural Experiment Station of Lafayette, Ind., is sending out a new-summer bulletin on the "Better

Don't put it off till Grade Seed to the Farmers." The bulletin in question is stated to be to put the farmer in touch with the better strains of seed in touch with a business man to produce such crops as he may desire. The Department together with the State Experiment Station is making recommendations to the prospective buyers. In other words, the Department is to us up the field of the seed trade in their State and undertake to do what the seedsman is constituted to do as a legitimate commercial enterprise. It would be interesting to know whether the Indiana Experiment Station has thus far communicated with the seed-men of their State to first ascertain whether the seed dealers were making proper effort to secure for distribution to the farmers the best and purest strains of seed or are prepared to purchase and distribute in the course of their business seed of a class material as the Department may be able to offer them, before involving a State institution in such an enterprise as this circular would seem to indicate.

Effect of environment upon seed quality

In further consideration of the foregoing, we would respectfully suggest that it is not at all certain that the station officials in Indiana or any other State are any better qualified or even as well able to pass upon seed qualities as are the men whose lives have been devoted to the development of the American seed industry. Well informed seedsmen tell us that the only quality which seeds can acquire through differences of soil or climate is that of earliness or lateness. While crops are absolutely dependent upon quality of soil, supply of moisture, and heat, it has yet to be shown that selection will have any effect upon the adaptation of seeds to soils not suited to them, although this bulletin, in asserting that seed "from a different latitude and a different soil will often produce a low yield or else possibly a large yield, quite poor in quality," plainly asserts otherwise. As to selection for temperature it has long since been demonstrated that temperature has a strong influence on seeds. The Iceland poppy and the buttercup, for example, in arctic regions produce seeds having a much stronger covering than those that have been grown in the temperate zone. Buttercup seeds gathered in Iceland take nearly two years to germinate whereas those harvested in temperate climates may be germinated in five or six months. A remarkable instance of the adaptation of Iceland seeds to this climate is that germination may be interrupted by cold, or even severe cold, and the young plant has the quality of resuming its development when it has thawed out again, a quality which seeds sown here and then subjected to similar Iceland conditions would not possess. Many of the seedsmen, desiring early corn, have it grown in northern New Hampshire or Maine. The same course is followed for early cosmos which, to perpetuate its earliness, must be grown in northern latitudes, the earliness being due to those laws of Nature which enable plants to adapt themselves to more or less adverse conditions in order to assure reproduction. As to their having any ability to overcome unfavorable chemical or mechanical conditions of soil, however, so as to affect the character of the seed produced, with all due respect to our friends in Lafayette we must say that we know of no evidence to support such a claim and have yet to hear of any instance where any local factor other than temperature and moisture has had any appreciable influence on seed character.

CLUBS AND SOCIETIES

MASSACHUSETTS HORTICULTURAL SOCIETY.

The inaugural meeting of the Massachusetts Horticultural Society was held at Horticultural Hall, Boston, on Saturday, Jan. 9, and President J. K. M. L. Farquhar presented his third annual inaugural address. It showed a net gain of 98 members for 1914, and the largest income from membership fees of any one year, with a single exception. During the year the sum of \$7035, inclusive of medals, was distributed in prizes and gratuities. Financially the society stands about as it did one year ago. Mr. Farquhar contended that receipts from life membership should be added to the permanent fund and the income only expended. He urged the necessity of a remodeling of the interior of the building and stated that the trustees have under consideration a

The tone of his address was optimistic and inspiring throughout. The address of the president was followed by the annual reports of secretary, treasurer and chairmen of the various standing committees. On the exhibition table were some lovely orchid groups. F. J. Dolansky was represented by a large group of *Cattleya Trianae*, including the white form. Col. Charles Pfaff, gard. George Melvin staged a superb specimen of *Laelia anceps*, bearing 23 spikes of flowers. E. B. Dane, gard. Donald Mackenzie, sent *Chysis aurea* and *Cymbidium Gottianum* (*eburneum* x *insigne*) which was much admired.

Free Lecture Course.

The lecture committee of the Massachusetts Horticultural Society has issued a program of lectures and discussions on horticultural subjects to be given at Horticultural Hall on Saturdays during January, February and March. These lectures are free and the various topics will be treated by recognized authorities in the different lines.

The program is as follows:

January 16.—"Selection and Care of House Plants," Frederick E. Palmer, Brookline.

January 30.—Conference on Garden Planning and Planting. Conducted by the Staff of the Mass. Agricultural College. 10.00 A. M., "Trees and Shrubs for Home Grounds," Prof. A. K. Harrison; 10.45 A. M., "Garden Planning," P. H. Ellwood, Jr.; 11.30 A. M., "Garden Furnishings," Prof. F. A. Waugh; 1.30 P. M., "Practical Management of the Home Flower Garden," Prof. A. H. Nehrling; 2.30 P. M., "Herbaceous Annuals and Perennials," A. S. Thurston.

February 6.—"The Home Vegetable Garden," H. F. Thompson, Amherst.

February 13.—Conference on Fruit Growing. Arranged by the Mass. Agricultural College. 10.00 A. M., "Grafting and Budding," Prof. W. W. Chenoweth; 11.00 A. M., "Pruning," Prof. F. C. Sears; 1.30 P. M., "Spraying," Prof. R. W. Rees; 2.45 P. M., "Small Fruits," Hon. Wilfrid Wheeler.

February 27.—"The Culture of Hardy Shrubs," Arthur E. Thatcher, Bar Harbor, Maine.

March 6.—"The Insect Outlook for New England," Dr. H. T. Fernald, Amherst.

March 13.—"Hardy Herbaceous Flowers," W. A. Manda, South Orange, N. J.

March 27.—"Diseases of the Peony," illustrated, Prof. H. H. Whetzel, Ithaca, N. Y. (The John Lewis Russell Lecture)

WM. P. RICH, Sec'y.

CHRYSANTHEMUM SOCIETY OF AMERICA.

A copy of the full report of the examining committees for 1914 has been received and varieties receiving 85 points or more are as follows:

Golden Queen, Marigold, Crystal Gem, No. 35412, Algonquin, Cabinet, Silver King, Mankota, Modello, Kowano, Tekonsi, Niza, R. di, Diana, Veta, Zora and Neola, all of which were exhibited by Elmer D. Smith & Co., Adrian, Mich.

Antigone, Yellow Seedling, Bob Pulling and Earl Kitchiner, exhibited by Chas. H. Totty, Madison, N. J.

Stratford, exhibited by Edward A. Stroud, Stratford, Pa.

Yellow Ivory Supreme, by Henry Eichholz, Waynesboro, Pa.

Mt. Greenwood, by Mt. Greenwood Gem Assn., Morgan Park, Ill.

No. 92 and White Chieftain, exhibited by The E. G. Hill Co., Richmond, Ind.

Peace and No. 81912, exhibited by H. W. Riegan, Indianapolis, Ind.

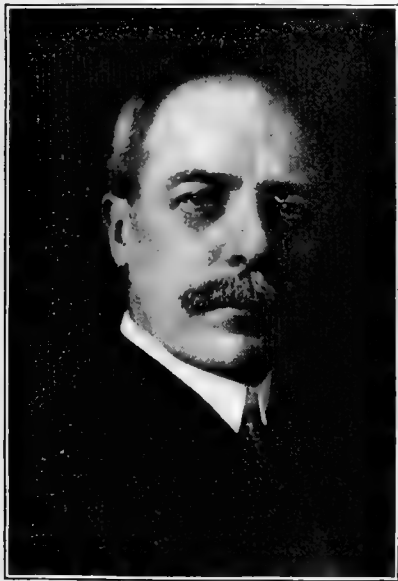
Harvest Moon, exhibited by A. N. Piereson, Cromwell, Conn.

Miss Marbella French and Miss Pauline Anderson, exhibited by Pochmann Bros. Co., Morton Grove, Ill.

ROCHESTER FLORISTS' ASSOCIATION.

The annual meeting and election of officers of this association took place Monday night, January 11. Officers elected for the ensuing year are as follows: President Charles H. Vick; vice president, Harry E. Bates; treasurer, William L. Keller; secretary, H. B. Stringer; trustees, John Dunbar, George J. Keller, Edwin P. Wilson. The meeting was the most enthusiastic one the association has had for many a day and the spirit displayed seemed to augur well for the future. With such efficient leaders the prospects are surely bright and rosy.

We are glad to have the opportunity to congratulate the Rochester fraternity on their choice of so sterling a man as Charles H. Vick as their leader. "Charlie" Vick is admired and beloved by everyone whose good fortune it is



J. K. M. L. FARQUHAR

Inaugurated for a Third Term as President of the Massachusetts Horticultural Society.

plan for practical rearrangement of the interior, so that the halls will be a source of substantial revenue without change of the beautiful exterior.

Among the recommendations by President Farquhar were fewer and larger exhibitions during the year and the constituting of a committee on Horticultural Progress to study closely the activities of the various committees of the society and to advise as to its future policy. He spoke enthusiastically upon the achievement of the Convention Garden in the Fenway in connection with the S. A. F. Convention last summer, the success of which was due in a large measure to this society and its members and expressed gratification that the garden is to be further developed and permanently maintained by the City of Boston. The visit of the garden committee to Lenox last summer was also alluded to as a movement pregnant with lasting benefit to horticulture in Massachusetts.



CHARLES H. VICK,
President-Elect, Rochester.

to know him. The prosperity and prestige which the association has attained has been due in no small measure to his amiable traits and in the success of the Rochester exhibitions his unselfish and untiring zeal has counted for much.

The vice-president, Mr. Bates is a worthy running mate as are indeed all the other gentlemen associated with him in the official duties of the year. "Do it for Rochester" will be something more than a printed phrase under their leadership.

NATIONAL ASSOCIATION OF GARDENERS.

The following appointments are announced by President John W. Everitt of the National Association of Gardeners for the year 1915:

Directors for three years: William H. White, Yonkers, N. Y.; William N. Craig, Brookline, Mass.; Edward Kirk, Bar Harbor, Me.; John W. Johnston, Glen Cove, N. Y.; Carl U. Fohn, Colorado Springs, Colo.; Peter Johnson, Dallas, Texas; Thomas Proctor, Lenox, Mass. (Comm. 1915)

Two of Pernet-Ducher's Best Roses



MME. EDOUARD HERRIOT, "The Daily Mail Rose."

Mme. Edouard Herriot, "The Daily Mail Rose"—Winner of the **Gold Cup** which was offered by the "Daily Mail" of London for the **Best New Rose** exhibited at the **International Horticultural Exhibition** in London in 1913. It is an entirely new color in Roses which one of our best posted Rose enthusiasts describes as being like sunshine on a copper-red metal. The buds are exceptionally long, slender and pointed. We offer strong, imported dormant plants, suitable for 5 inch pots, \$6 per doz.; \$50 per 100.

Willowmere—In bud a splendid coral red suffused with carmine opening to a large, full, handsome flower of a rich shrimp-pink, shaded yellow in the centre and flushed carmine-pink toward the edges of the petals. Strong imported dormant plants, \$7.50 per doz.; \$60 per 100.

HENRY A. DREER

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PHILADELPHIA, - - - PA.

The above prices are for the trade only.

terest in this important event. With the clouds of pessimism of 1914 passing away with the advent of New Year, we must gird our armor and by will and deed make it a success or we shall be held strictly to account. Many other industries are only too glad to seize an opportunity to take part in such an enterprise. So I say, wake up! The honor of the Florists' Club, the Trade and our City is at stake. Let us inject new life, new hope, new stamina into a cause so worthy and with interests so much identified with our own; let us all pull together for our own common good."

NORTH SHORE HORTICULTURAL SOCIETY.

At the last regular meeting of this society Mr. Frank S. Gifford gave a lecture on Breeds of Cattle. A silver medal was awarded to E. H. Wetterlow for six plants of a new seedling primula, a cross between *Primula chinensis fimbriata* and *Primula stellata*; all mauve in color, the same as the parent plant. All were well grown; the foliage being of the stellata type with long stems and the flowers being very large of the fimbriata type. A certificate of merit was awarded to Ernest Townsend for a very fine plant of *Cypripedium insigne* in a 10-inch pot.

The sixteenth annual banquet of the society will be held in the Town Hall, Manchester, Mass., on Jan. 27th, at 6.30 p. m. and will be followed by an entertainment by professional talent and dancing from 10 to 12m. Tickets will be \$1.50 each, and can be obtained from the chairman of the committee, William Till, Magnolia, Mass. Any visitors will be given a cordial welcome. The subject for the next meeting will be a stereopticon lecture on Gladioli by B. Hammond Tracy of Wenham. W. T.

FLORISTS' CLUB OF WASHINGTON.

All business was called off at the January meeting held last Tuesday evening. It was officers' night and every effort was advanced to make this a red letter affair. The meeting room had been filled with folding chairs the big event being a motion picture show, character stories and songs, music by a Victrola, and the pearls of wisdom disseminated by Professor Wall of the Sheldon Business School, of Chicago, who delighted his audience with his recitations and anecdotes and, in speaking on co-operation, congratulated the club on the efforts being made to bring the members of the trade together. Truly it was a most wonderful evening and its suc-

cess was duly attested by the hundred or more members and their guests.

LADIES' SOCIETY OF AMERICAN FLORISTS.

Mrs. W. F. Gude, president, 1915, has made the following appointments:

Directors for two years: Mrs. Jos. Manda, W. Orange, N. J.; Mrs. J. F. Wilcox, Council Bluffs, Iowa; Mrs. Geo. H. Cooke, Washington, D. C. Introduction Committee, 1915: Mrs. Julius Eppstein, San Francisco, Cal., chairman; Miss Bertha Meinhardt, St. Louis, Mo.; Miss Marie Esler, Saddle River, N. J.; Mrs. John Poehlmann, Morton Grove, Ill.; Mrs. Fred Breitmeyer, Mt. Clemens, Mich.

Mrs. CHAS. H. MAYNARD, Sec'y.
Detroit, Mich.

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All the new and standard varieties. We are ready to deliver carnation cuttings now. *How about the new roses? Let us have your order before it is too late.*

Ophelia, Prince d'Arenberg, Francis Scott Key, and Killarney Brilliant. Everyone will grow them.

Tell us your wants and get our quotations before ordering.

S. J. REUTER & SON, Inc.

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Chrysanthemums for Exhibition



and for general growing.

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Our varieties of Singles are culled to only the reliable sorts.

This is Chieftain, the best pink for November cutting.

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Our catalog is ready. Send for it at once.

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and Grades
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Belgium
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ch, Holland
MAPLES, PLANES, ETC., from Ouden-
bosch, Holland
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from France
BEGONIA AND GLOXINIA BULBS,
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Kentia Seeds, Etc.

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sales at

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the thousand. New crop just arrived
from Belgium, all started up, and right
for sale now. Good value for your
money. 5½ in. and 6 in. pots, 3, 4, 5
tiers, 40c., 50c., 60c., 75c., \$1.00, \$1.25,
\$1.50. GLAUCOA and ROBUSTA COM-
PACTA, 6 in., 7 in. pots, \$1.00, \$1.25,
\$1.50, \$2.00.

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per 1000.

ASPARAGUS Sprengeri. 3-in., \$3.00 per 100;
4-in., \$4.00 per 100.

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TREES, SHRUBS,
EVERGREENS,
VINES, ROSES, ETC.



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AMERICAN ROSE SOCIETY.

A meeting of the Executive Committee of the American Rose Society was held at the office of Traendly & Schenck in New York City on Monday, January 11. Those present were President Wallace R. Pierson, Robert Pyle, S. S. Pennock, Louis J. Reuter, Harry O. May and Benjamin Hammond. The decision to hold the Annual Exhibition and meeting for 1915 with the Massachusetts Horticultural Society in Horticultural Hall, Boston, on March 18 to 21, inclusive, was carried.

The committee on schedules consists of Messrs. L. J. Reuter, Thomas Roland and Alex. Montgomery. Special contributions to the prize fund were announced of \$25.00 each from the following: The Montgomery Co., Inc., A. N. Pierson, Inc., Budlong Rose Company, Thomas N. Cook, S. J. Reuter & Son, Inc. The full schedule will be issued within a few days. The pot roses will be staged on the first day, March 18, and the classes for cut roses will be staged on March 19.

The annual meeting of the society will be held in Horticultural Hall, Boston, on Friday, March 19, at 3 p. m.

The matter of judges for the exhibition was provided for, there being two sets. The appointment of a manager for the Rose Show was left with the schedule committee. Robert Simpson was appointed a committee of one to confer with the New York Botanical Garden committee relative to a June show at that place.

A communication was received from Philadelphia relative to an exhibition by the American Rose Society in the spring of 1916, and a sum of a substantial amount was offered for a prize list. This was gone over carefully and held subject to approval at the annual meeting in March next.

BENJAMIN HAMMOND, Sec'y.

Beacon, N. Y.

AMERICAN SWEET PEA SOCIETY.

Arrangements are now fully perfected for the great Sweet Pea Exhibition to be held in the Palace of Horticulture, Panama-Pacific Exposition, San Francisco, on Friday, June 4, 1915, under the auspices of the American Sweet Pea Society. The schedule of prizes, printed gratuitously by C. C. Morse & Co., is handsomely gotten up and copies may be obtained by all who are interested on application to Frank G. Cuthbertson, 749 Front street, San Francisco.

Prize List.

Eight vases of Elfrida Pearson, Illuminator, Margaret Atlee, King Edward Spencer, New Margaret Madison, Nubian, King White, Mrs. Cuthbertson—silver cup and \$10.00, silver medal and \$5.00, \$5.00, and five prizes of \$2.00 each. Donor C. C. Morse & Co.

Twelve vases, twelve varieties Spencer—\$25.00, \$15.00, \$10.00. Donor W. Atlee Burpee & Co.

Six vases, six varieties Spencer—\$15.00, \$10.00, \$5.00. Donor Peter Henderson & Co.

Vase lavender Spencer, any variety—silver medal, bronze medal. Donor American Sweet Pea Society.

Vase pink Spencer—\$5.00, \$2.00. Donor Waldo Robnett.

Vase white Spencer—\$5.00, \$2.00. Donor Waldo Robnett.

Ten vases Zvolanek's winter flowering orchid and Spencer—\$10.00, \$5.00. Donor A. C. Zvolanek.

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The Best Stock We Have Ever Offered



2 1-4
inch pots

\$3.00
per 100;

\$25.00
per 1000

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Ten vases Zvolanek's grandiflora winter-flowering \$5.00, \$3.00. Donor A. C. Zvolanek.

Vase Zvolanek's winter-flowering mixed—\$5.00. Donor A. C. Zvolanek.

Vase of grandiflora—\$3.00, \$2.00. Donor C. C. Morse & Co.

Fifteen vases Hollowell's Spencer collection—\$10.00. Donor Hollowell Seed Co.

Twelve vases Spencer, twelve varieties—silver cup. Donor Braslau Seed Growers. Private growers and amateurs only.

Six vases Spencer, six varieties—silver medal, bronze medal. Donor American Sweet Pea Society. Open to private gardeners and amateurs only.

There are several other classes open only to amateurs who do not regularly employ a gardener.

In addition to the foregoing there will be a Children's Sweet Pea contest in the Educational Building on May 22 for which the prizes are donated by C. C. Morse & Co.

NEW YORK INTERNATIONAL SHOW

The Flower Show Committee of the New York Florists' Club held a meeting at the Grand Central Palace on January 11, every member being in attendance. Everyone seemed to be much encouraged by the favorable outlook and the committee will now hold weekly meetings until the close of the show. Orders for space in the trade section are coming in more freely and there is no question but what over \$10,000 worth of space will be sold.

A. Herrington, of Madison, N. J., addressed the Worcester County Horticultural Society on Thursday, January 7, on the subject of "Trees and Shrubs."

SOUTHAMPTON HORTICULTURAL SOCIETY.

The annual meeting of the Southampton, N. Y. Horticultural Society was held Jan. 7th. After preliminary business, hearing of reports, etc., the following officers were elected for the ensuing year: President, Martin McLaughlin; vice-president, Frank N. Smith; financial secretary, William McLeod; recording secretary, Julius W. King; corresponding secretary, S. R. Candler; treasurer, D. T. Wells. Several committees were appointed. It was voted to hold the annual banquet and ladies' night on the evening of Jan. 20th, at the Commercial Hotel. The principal feature will be a turkey dinner, music by a local orchestra and an entertainer from away. William McLeod, gardener to Mrs. Horace Russell, exhibited some fine sweet peas which called forth much favorable comment. A permanent committee was appointed to pass on like future exhibits. We shall expect some sharp competition.

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SEED TRADE

AMERICAN SEED TRADE ASSOCIATION

Officers—President, Lester L. Morse, San Francisco, Calif.; First Vice-President, J. M. Lupton, Mattituck, L. I.; Second Vice-President, E. C. Dungan, Philadelphia, Pa.; Secretary and Treasurer, C. E. Kendel, Cleveland, O.; Assistant Secretary, S. L. Willard, Jr., Cleveland, O.

Timely Advice.

The following letter has been sent out to a number of flower seed customers by R. & J. Farquhar & Co., of Boston. We reproduce it as a suggestion that others in the seed trade might wisely follow this season. Apart from the peculiar exigencies resulting from the war in Europe the advantage of getting orders in early is apparent to everyone, reducing by so much the tension of the rush season which is sure to come later. Messrs. Farquhar report good returns already, although the letter has just been sent out, and are well pleased with the way it is working:

Dear Sir:

I have just received from you an order for supplies of seeds, plants, etc., etc., which we have fully appreciated.

These conditions are such that we feel it our duty to give you of the situation of the seed trade in regard to flower seeds. We do not at present have particularly short of any vegetable seeds, but many varieties of flower seeds are in the scarce.

We have already received from European countries, including France and Germany, large shipments of flower and vegetable seeds, others are still on their way, delayed somewhat on account of the interruption by war, of the usual twelve-to-fourteen-day transportation, but papers are coming from four to ten weeks.

We believe that supplies already received and on their way are sufficient to meet the demands of our regular patrons, and it is our desire to take care of these first. For this to do this, we would suggest that you send at once your order for your seed requirements for the spring season, as far as possible we may forward them to you, or if you prefer, have them put up and reserved for shipment in February or March.

While the war continues, there will be no cable communication with Germany, and when our first supplies are exhausted it will be impossible to procure more from that country in time for spring sowing.

An Unconstitutional Seed Law.

Editor of HORTICULTURE.

Dear Sir—

Your readers may be interested to know that Judge Cornish of the District Court of the State of Nebraska has recently decided that the Nebraska so-called pure seed act of 1911 is

unconstitutional. The court held that it is contrary to the constitution of Nebraska. Of course the decision of the Supreme Court of Nebraska will be needed if the case is appealed. To throw this seed law out of use. This would indeed be a serviceable thing to do as the law is very unsatisfactory and unintelligent legislation.

If this decision is upheld by the Supreme Court of Nebraska, it will go a considerable way in affecting the constitutionality of several other state seed laws, like Iowa, Maine, etc., because these laws are drawn on the same principle of codification of the commercial feeding stuffs and agricultural seed laws under one law.

Yours truly,

CURTIS NAY SMITH

Imports of horticultural material and value of same received at port of New York, during week ending Jan. 2, 1915, were as follows:

Manure salt, \$16,057; Fertilizer, \$4,525; Clover seed, \$44,887; Grass seed, \$22,845; Trees and plants, \$53,433.

CATALOGUES RECEIVED.

Henry F. Michell Co., Philadelphia, Pa.—This year's general catalogue of this firm marks their twenty-fifth anniversary and it is fully up to the occasion in appropriateness and beauty. The cover design is a grand full life size cluster of bloom of *Buddleia variabilis magnifica*. There are six very fine full-page flower plates in colors, also.

A most interesting brief history of the career of "The House of Michell" during its quarter century of business, by George C. Watson, Philadelphia's most entertaining author, fills two pages, in which appear portraits of Henry F. and Frederick J. Michell, with crisp reminiscences and comment on their ability and industry. HORTICULTURE joins in the wish that the well-won prosperity which this house enjoys may continue and that we may live to see the name of Michell on four sides of a city block. Michell's Wholesale Price List, which comes by the same mail as the general catalogue, has for a cover subject a plant in bloom in natural colors of the promising new scarlet bedding geranium Helen Michell. It is a two-page illustrated book and will find a genuine welcome among the trade.

W. Atlee Burpee & Co., Philadelphia, Pa.—No less than three catalogues reach our desk at once from this ever-busy house. The "Red List" is a wholesale catalogue for seedsmen and dealers only who buy to sell again. As always, it is practical and reliable. Next is the Burpee Annual for 1915, with a handsome illustration of Sweet Pea "King White" on a colored panel background as cover subject. On the back cover is "Baby Delight" watermelon, tempting to look upon. 182 pages, crowded with good things for the garden worker. Lastly "The Silent Salesman's Assistant, an aid to Burpee's Annual." The Silent Salesman's Assistant is quite a departure from the usual Burpee Catalogue, with designed headlines and half-tone illustrations with marginal overhang, uniform type, etc., and a very attractive exterior.

Michell's New Crop FLOWER SEEDS

ASPARAGUS.

Plumous, Nanus, Northern, Green-house Grown Seed. Per 1,000 seeds, \$1.50; \$17.50 per 5,000 seeds; 10,000 seeds, \$30.00.

Hatcheri, Per 500 seeds, \$3.25; \$4.00 per 1,000 seeds.

PHLOX DRUMMONDII (Dwarf).

	Tr	Pkt.	Oz.
Ceely, Large flowering, mixed colors	40	50	\$2.25
Crimson with Eye	40	50	2.25
Deep Scarlet	40	50	2.25
Fair Midd., Soft pink	40	50	2.25
Fireball, Scarlet	40	50	2.25
Pink	40	50	2.25
Snowball	40	50	2.00
Violet with Eye	40	50	2.25
Choice Mixed	40	50	1.25

SALVIA.

	Tr	Pkt.	Oz.
Bonfire	40	50	\$2.00
Ball of Fire	50	50	2.50
Scarlet Glow (Michell's)	50	50	4.00
Zurich	50	50	4.00
King of Carpets	50	50	2.50
Splendens	25	50	1.00

PETUNIA.

	Tr	Pkt.	Oz.
Michell's Monstrosus	40	50	\$1.00
California Giants	50	50	5.00
Grandiflora 4 Ringed	50	50	2.50
Dwarf Inimitable	50	50	1.25

Also all other Seasonable Seeds and Supplies for the Florist.

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ONION SEED, ONION SETS

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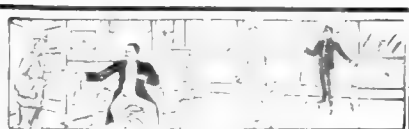
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Birmingham, Ala.—The McVay Seed Company was sold out at auction January 11th.



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SEEDS for the FLORIST STOCKS

Boston Flower Market. Unsurpassed for the largest percentage of double flowers. We have crimson, canary yellow, dark blue, deep blood red, apple blossom, bright rose, light blue, scarlet.

Trade pkt. 60c., oz. \$4.00. Pure White; trade pkt. 75c., oz. \$5.00.

Sweet Peas, Asters, Cyclamen, Petunia, Primula

LILY OF THE VALLEY from our own Cold Storage Plant

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Blushing Bride	- \$0.75	\$6.00
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Choice cut flowers and designs for all occasions. Steamer and theatre flowers a specialty.

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Phone: Park 94

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Of Interest to Retail Florists

WINDOW PUBLICITY.

Window decorating is one form of advertising. The well decorated window goes a long way towards securing favorable public attention, and while those who make up the interested crowd may not all go right in and purchase, yet a mental impression is left which is very likely to bring the admirer of that window back to that particular store later on.

Anyone can get flowers and plants into the window, but it requires considerable study to determine the groupings and colors that show to the best advantage. The study of color harmony began in the most remote ages, and each artist of note has added his experience. Color combinations are governed by set laws, and, as is the case with all other natural laws, it is both foolish and disastrous to ignore them. Harmony is obtained by putting together such intermediate tones as will subdue the crude effects caused by opposite colors. When two colors do not blend perfectly, a mass of white between them will help to that end. Black placed between two bright colors gives a pretty combination. Black and white subdue the brightness of very light colors. Gray may be safely used in almost any combination of colors, and will harmonize beautifully with bright masses of blue or crimson. It is a color that will soften the power of almost any color.

The following combinations of colors and tints will be found harmonious and pleasing:

1. Pink, sky blue and light green.
2. Light blue, dark orange and golden brown.
3. Light red or pink, dark green and pale sky blue.
4. Light yellow, dark purple and light yellowish green.
5. Clear purple, dark red and light lavender.
6. Navy blue, dark red and pale yellow.

These combinations will make very effective groupings with the aid of ribbons, colored baskets, and cloth backgrounds:

Violet, indigo, blue, green, yellow, orange, red. Violet at the top, red at the bottom. Count from the red up and every third and fifth color is an harmonious color.

This, in a nutshell, gives the fundamental principles of the study of the harmonious blending of colors. Time and experience will enable one to convince himself that this is the one great feature in window or interior decorating. It is quite true that flowers, even carelessly and promiscuously grouped, will generally produce an attractive display, but the writer has often noted some "fierce" combinations that were gross violations of color harmony. If the professional florist will not pay any attention to the effective groupings of colors so as to bring out the Heaven-given warmth and delicacy of Nature's gems, how can he expect to educate the general public to the appreciation of his services?

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Artistic Designs . . .
High Grade Cut Blooms

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Will take good care of your orders

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here given will be promptly and prop-
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Albany, N. Y.—The Rosery, 23 Steuben St.
Boston—Thos. F. Galvin, 126 Tremont St.
Boston—Penn. the Florist, 37-43 Brom-
field St.Boston—Zinn, the Florist, 1 Park St.
Buffalo, N. Y.—S. A. Anderson, 440 Main
St.Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago, Ill.—Schiller the Florist, George
Asmus, Mgr.Chicago—William J. Smyth, Michigan
Ave. and 31st St.Cleveland, O.—J. M. Gasser Co., Euclid
Ave.Cleveland, Ohio—Adam Graham & Sons,
5523 Euclid Ave.Denver, Col.—Park Floral Co., 1643
Broadway.Detroit, Mich.—J. Breitmeyer's Sons,
corner Broadway and Gratiot Ave.

Houston, Tex.—Kerr, The Florist.

Kansas City, Mo.—Samuel Murray, 913
Grand Ave.

New London, Conn.—Reuter's.

New York—David Clarke's Sons, 2139-2141
Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—Young & Nugent, 42 W. 28th.

New York—Dards, N. E. corner 44th St.
and Madison Ave.

New York—Max Schling, 22 W. 59th St.

New York—G. E. M. Stumpp, 761 Fifth
Ave.New York—Thos. F. Galvin, Fifth Ave.,
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New York—Myer, 609-611 Madison Ave.

New York—A. T. Bunyard, 413 Madison
Ave.

Norwich, Conn.—Reuter's.

Omaha, Neb.—Hess & Swoboda, 1415
Farnum St.Rochester, N. Y.—J. B. Keller Sons, 25
Clinton Ave., N.St. Louis, Mo.—Fred C. Weber, 4326-28
Olive St.

St. Paul, Minn.—Holm & Olson, Inc.

Tarrytown-on Hudson, N. Y.—F. R. Pier-
son Co.Toronto, Can.—J. H. Dunlop, 96 Yonge
St.Washington, D. C.—Gude Bros., 1214 F
St.Washington, D. C.—F. H. Kramer, 915
F St., N. W.Washington, D. C.—J. H. Small & Sons,
cor. 15th and H Sts.

Westerly, R. I.—Reuter's.

Worcester Mass.—Randall's Flower Shop,
3 Pleasant St.

NEW FLOWER STORES.

Bluefield, W. Va.—W. C. Alexander.

Reading, Pa.—John Giles, Berkshire
Hotel.San Antonio, Tex.—Herzog, the
Florist.Chicago, Ill.—John Kunesh, 6328
South Racine avenue.Boston, Mass.—Petros, Huntington
avenue, near Massachusetts avenue.Baltimore, Md.—Kirkley's Flower
Shop, Gay street; Crescent Flower
Shop, 617 Tremont avenue; Conroy's
Flower Shop, 848 West Baltimore
street.

NEWS NOTES.

Providence, R. I.—F. B. Pierce is
now located at 117 Elmwood avenue.Elizabeth, N. J.—Blakely's Florist
Shop has moved from 88 Broad to 80
Broad street.


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New London and Norwich, Conn.
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We cover the territory between

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Transfer your orders for flower or
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OMAHA, NEB.

THE J. M. GASSER COMPANY,

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Euclid Avenue

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FLORISTS AND
PLANTSMEN

TARRYTOWN ON HUDSON, - N. Y.

NEWS ITEMS FROM EVERYWHERE

CHICAGO.

Mrs. L. L. Peiser has returned from Philadelphia where she spent the holidays.

January Flaw was never considered a money maker. His coming now reminds florists of last year, the warmest in many years.

Now that the holiday rush is over, bowling is again a favorite pastime with the florists. The score will be found in this paper each week.

Harry Rowe has arranged the large rear room of his store on Wabash Ave., so as to accommodate a wholesale business and expects to rent it for that purpose. The new store is so large, light, and in such a good location that it will soon be taken.

A common sight in the wholesale stores is a group of florists talking over the decline in flower sales. Many are the opinions offered and not a few think a flower show at popular prices would have stimulated the public to more liberal buying.

A. L. Vaughan was taken ill on his way down town Monday morning and was absent from his place of business today (Tuesday). Mr. Vaughan is a well known man in the trade, being the head of the wholesale commission house of A. L. Vaughan & Co., and has many friends.

Harold Kennicott, son of the late Flint Kennicott, who was one of the Kennicott Bros., has bought the Peiser interest in the firm, known for a generation as Kennicott Bros., and will remain in Chicago. "Nick" Miller has severed his connection with this firm and is now with the A. L. Vaughan Co. in the same block. George Gobel, who is known to all the wholesale florists through his long connection with the Express Co. is now a salesman at Kennicott Bros taking hold as if he had been brought up in the business.

The officers of the Chicago Florists' Club ought to bring to the club a wisdom which comes from being able to look on a subject from a variety of standpoints. Wm. J. Keimel is a member of the firm of Wendland & Keimel of Elmhurst, Ill., extensive growers. Jas. Morton, until recently from New York, represents one of the trade papers. Guy W. French, carnation foreman for Poehlmann Bros. of Morton Grove for seventeen years, and starting for himself in the spring and Paul Klingsporn a resident of Philadelphia till one year ago, and now sales manager for the Chicago Flower Growers' Assn. While all are connected with the trade, the diversity of occupation and place of residence augurs well for the club's usefulness.

E. C. Amling, wholesale commission dealer, has as broad a survey over the Chicago field as any other man in the trade and says that in his opinion, the demoralized condition of the flower market in general at Christmas was the lack of any basis for fixing prices. No wholesaler knew what he should ask for anything. Between the grower who must be pleased with the prospects of a high price for his con-

sumption and the retailer whose customers could not or would not pay high prices, the commission man must find a path that would lead to future, as well as present business. He says we have imaginary prices on flowers that will not hold good when the selling test comes. Price was quoted too high for existing conditions this Christmas. No one wanted to be the first to quote lower, but no wholesaler really expected the price to be maintained. This year the high quotations on American Beauties caused about 40,000 Beauties, from two to three times as many from the east to be put upon this market as were supplied by local growers, with the result that the market went to pieces. Only a better understanding between wholesalers and their shippers as to supply, with a view to settling the proper price is the real solution of the question.

CALIFORNIA NOTES.

H. A. Siebrecht, of New Rochelle, N. Y., has arrived in San Francisco to take charge of the landscape work of the New York State building of the Panama-Pacific Exposition.

C. L. Coulter, traveling representative of C. C. Morse & Co., the San Francisco seed house, returned a few days ago from his annual trip through the East and South, where he reports a much better business than the previous year.

H. B. Stafford, of the Delano, Cal., Nurseries, is opening an office and sales yard adjoining the First National Bank building at that place. In addition to fruit trees, he is getting in quite a lot of shade trees and ornamental stock from a Fresno nursery.

The E. W. McLellan Co., had a very large stock of hothouse poinsettias for the holiday trade, making a cut of 1,000 dozen. The stock has been cleaned up completely and brought very satisfactory prices. They are now showing some exceptionally fine gardenias.

At the meeting of the Pacific Coast Horticultural Society Jan. 2, for the annual election of officers, President H. Plath was absent owing to the death of his aunt. The members, of whom a large number were present, extended their sympathy, and the smoker that was to have been held that evening was postponed. The officers elected were the same as for the previous year, with the exception of treasurer, that office being taken by J. Jacques. The exhibition committee was appointed as follows: Daniel MacRorie, Joe Tempson, T. Taylor, H. James, Donald McLaren, Frank Policano, A. J. Rossi, Wm. Kettlewell, Wm. Monroe and D. Raymond. The exhibit of the evening was of *Oncidium splendidum*, brought by the MacRorie-McLaren Co., which was rated at 99 points.

Moline, Ill.—Julius Staacks, florist, is suing the city of Moline for \$20,000 on account of storm water flooding his greenhouses and destroying his plants, caused from improper street grading.

BOSTON.

Rumors are heard that Harry Quint is to open up another store on Boylston Street near the high-class Back-Bay hotels, in addition to his present store on Tremont Street.

All members of the Gardeners' and Florists' Club of Boston are urged to remember the meeting January 19, when the installation of officers and ladies' night takes place. An attractive program is promised.

John J. Cassidy, a well-known florist of 6 Beacon Street, has been appointed a sinking fund commissioner of the city of Boston by Mayor Curley. Mr. Cassidy enjoys the further honor of being exalted ruler of the Boston lodge of Elks.

Some specialties noted this week are Spencer sweet peas from the Halfax Garden Co., carnations from John A. Nelson of Framingham, Paperwhites from H. W. Vose of Hyde Park, and single violets from Kidder Bros. of Lincoln.

Penn the Florist turned loose a number of fan-tail doves in his window this week. They were prize birds from the Poultry Show, and although the week so far has been stormy and the weather unpleasant, crowds continued to stand in front of the windows admiring the floral setting in which the birds proudly strutted around.

Galvin's new store on Park street is being rapidly brought to completion. It is hoped that the new home of this old-established firm will be ready for occupation by the middle of February. Two stores are being made into one, and with the extremely attractive front that is planned for, this establishment will be one of the show places in the city.

CHICAGO

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Are Thoroughly Covered by

SCHILLER, THE FLORIST

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440 Main St., Buffalo, N. Y.

ANDERSON service means fresh, sturdy stock, and prompt deliveries in BUFFALO, LOCKPORT, NIAGARA FALLS and WESTERN NEW YORK.

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PUBLIC ACCOUNTANT AND AUDITOR

Simple methods of correct accounting especially adapted for florists' use.

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BY THE FLORISTS' SUPPLY HOUSE OF AMERICA

*St. Valentine's Day Novelties—Heart Boxes for Violets—Cherries
for Washington's Birthday*

CATCHY NOVELTIES IN TANGO FAVORS

HANDLE BASKETS With Liners

TUMBLER BASKETS

CYCAS LEAVES, Best in the World

MAGNOLIA LEAVES

WHEAT SHEAVE CREPE PAPER AND MATS

CREPE FLOWERS

H. BAYERSDORFER & CO.,

The Florists' Supply
House of America

**1129 Arch St.,
PHILADELPHIA, PA.**

A good-sized delegation is expected to leave Boston for the Buffalo carnation convention. The party will leave South Station, January 26, at 10 a. m., arriving in Buffalo at 11.30 p. m. The fare one way on a 10-party ticket is \$9.67, chair \$2.00. A large number from this section will take along exhibits. All who have not yet notified President Goddard of their intention to go should do so without delay.

The meeting for the discussion of the surplus stock and credit problems was not held January 11, as scheduled. An informal discussion took place in the markets last Saturday, at which a representative of a collection agency proposed a plan for the organization of a credit protective association, consisting of local growers and wholesalers. Much difficulty is being found in getting a sufficient number to agree upon a course of action.

Terryville, Conn.—At a hearing before Judge of Probate F. A. Scott, on Saturday, upon the application for a conservator over Clarence Fenn, the florist, by the selectmen, the petition was granted and Matthew F. Hayes was selected. An appeal was taken.

Penn Yan, N. Y.—In the action of Watson H. Whipple, a Medina fruit grower, against the Brown Brothers Nursery Company, of Rochester, to recover \$1,750 damages as a result of having purchased peach trees of standard varieties, which it is claimed, were not true to name, the jury awarded him \$405.

East Bridgewater, Mass.—J. K. Alexander sends a large shipment of dahlias to the Panama-Pacific International Exposition, to be grown and exhibited in connection with the Massachusetts State Exhibit, and in competition for the gold, silver and bronze medals offered for the finest growing exhibit of dahlias. This exhibit is to occupy 2728 square feet of space and is to be made in the form of a circular bed.

Mr. Alexander had an exhibit of equal proportions at the Louisiana Purchase Exposition at St. Louis in 1904 winning the silver medal, the highest honor awarded to any American firm. H. Cannell & Son of Swanley, Kent, England, were the winners of the highest honor, the gold medal.

PITTSBURGH.

F. B. Frauenfelder of Chicago has arrived for his annual visit to Superintendent Moore of the North Side (old Allegheny) Parks, and other friends.

Mr. Marshall, a member of the wholesale firm of McCallum Company, 137 Sandusky street, reports an unusual demand just now for baby primrose plants.

The Ludwig Floral Company is adding a palm and fern house to its already commodious Saxonwald Greenhouses at Castle Shannon. The work has just started with the expectation of being completed by "early frost."

The A. W. Smith Co., in the Keenan building, which claims the distinction of being the largest retail flower house in America, is nearing its forty-first natal anniversary. Anthony J. Smith, the manager, reports the landscape trade picking up with exceptionally good prospects for spring. The Smiths are producing an average of from 300 to 400 orchids daily.

Harvey C. Sheaff, manager for Mrs. E. W. A. Williams, 621 Penn avenue, reports the usual dull post-holiday season rather better than usual with a steady run of orders for small, informal entertainments. Two large demands were made upon his resources owing to the deaths of Sidney B. Liggett and John H. Dury, both veteran officials of the Pennsylvania Railroad Company.

David Fraser, under whose regime the private conservatory of Henry Clay Frick has been during its eighteen years' existence, has about recovered from his serious illness of the late summer and autumn. Although naturally of robust physique and constitution, Mr. Fraser suffered from a succession of hemorrhages from the lungs caused through over exertion in rowing, while spending his vacation at "Eaglesmere," the Frick's summer home at Pride's Crossing, Mass. With the assistance of a capable helper, Mr. Fraser keeps the conservatory at "concert pitch," (figuratively speaking) "year in and year out," and practically keeps the Frick New York house on Fifth avenue and Seventieth street, supplied with cut flowers during the family's stay in town, shipping regularly semi-weekly. The chrysanthemum season is usually spent at Pride's Crossing.

VISITORS' REGISTER.

Boston—A. E. Thatcher, Bar Harbor, Maine.

Excelsior Spring, Mo.—Sam. Murray, Kansas City, Mo.; Arnold Ringier, Chicago, Ill.

Washington, D. C.—Ernest F. Hoehl, representing S. S. Skidelsky & Co., Phila., Pa.

New York—J. A. Peterson, Cincinnati O.; W. R. Pierson, Cromwell, Conn.; Robert Pyle, West Grove, Pa.; L. J. Reuter, Westerly, R. I.; S. S. Pennock, Philadelphia, Pa.; Benj. Hammond, Beacon, N. Y.

Pittsburgh, Pa. — George Hampton, Philadelphia; A. Rosnosky of the Henry F. Michell Seed Company, Philadelphia; J. S. Hennon, New Castle, Pa., and A. Miller, representing A. Henderson & Co., Chicago.

Philadelphia—H. W. Rubel, Fleischman Floral Co., Chicago, Ill.; B. E. Brotherton, Detroit, Mich.; W. C. Langbridge, Albany, N. Y.; J. B. Agnew, San Francisco, Cal.; Joseph J. Lane of Doubleday, Page & Co., Garden City, N. Y.; J. Edmondson, representing Braslan Seed Growers' Co., San Jose, Cal.; P. Joseph Lynch, New Castle, Ind.; George Cruickshanks representing R. & J. Farquhar & Co., Boston, Mass.; G. R. Clark, Scranton, Pa.; Antoine Leuthy, Roslindale, Mass.

DURING RECESS.

The Albany (N. Y.) Florist Club gathered around the festive board last Thursday night and partook of a dinner after the annual installation of officers.

On Tuesday evening, January 12, the Tarrytown (N. Y.) Horticultural Society enjoyed its 16th annual dinner at the Florence Inn, where so many similar happy events have been pulled off in the past. The Tarrytown dinner is a veritable "feast of reason and flow of soul" as everyone knows who has been enabled to participate in any of its annual festivities. We were honored with an invitation but, much to our sorrow were obliged to forego the pleasure this time. We may have some further notes of the proceedings next week.

Frederick W. Smythe of Newport, R. I., has filed a certificate of ownership of the Newport Nursery Company with the City Clerk of that city.

CARNATIONS

The best varieties—well grown—flowers of good keeping qualities. The Best in Carnations is always the cheapest in the end. For real satisfaction, send your orders in our direction.

THE LEO NIESSEN CO.

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BALTIMORE, WASHINGTON, PHILADELPHIA

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MADE
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66 PEARL ST., BOSTON

N. F. McCarthy, Mgr.

Block Letters, \$2.00 per 100.

Script Letters, \$3.00 per 100.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock.

TAKE NOTICE

Thomas Cogger is no longer a representative of this house, his relationship having been discontinued January 1, 1915.

Mr. ARTHUR COMERY is our representative on the road at the present time. We trust that customers will kindly reserve their orders for him.

We are grateful to the trade for the courtesy and kindness shown to our travelers in the past and hope for a continuance of the same.

N. F. MCCARTHY & CO.

112 Arch St., Boston, Mass.

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"The" Wholesale Florist of Cincinnati
32-34-36 East Third Street

Consignments Solicited. Complete stock of Florists' Greens and Supplies.

Mention Horticulture when writing.

Wired Toothpicks

Manufactured by

W. J. COWEE, Berlin, N. Y.

10,000....\$1.75. 50,000....\$7.50. Sample free For sale by dealers.

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WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI January 11	CHICAGO January 11	BUFFALO January 11	PITTSBURG January 11
Roses				
Am. Beauty, Special.....	25.00 to	4.00 to	4.00 to	25.00 to
" " Fancy and Extra.....	15.00 to	4.00 to	4.00 to	15.00 to
" " No. 1.....	1.00 to	1.00 to	1.00 to	1.00 to
Killarney, Richmond, Extra.....	6.00 to	8.00 to	1.00 to	6.00 to
" " Ordinary.....	3.00 to	1.00 to	1.00 to	3.00 to
Hillingdon, Ward, Sunburst, Extra.....	6.00 to	1.00 to	1.00 to	6.00 to
" " Ordinary.....	1.00 to	1.00 to	1.00 to	1.00 to
Maryland, Shawyer, Taft, Extra.....	6.00 to	1.00 to	1.00 to	6.00 to
" " Ordinary.....	1.00 to	1.00 to	1.00 to	1.00 to
Russell, Hadley, Ophelia.....	6.00 to	8.00 to	1.00 to	6.00 to
Carnations, Fancy.....	3.00 to	4.00 to	1.00 to	3.00 to
" " Ordinary.....	2.00 to	1.00 to	1.00 to	2.00 to
Cattleyas.....	4.00 to	1.00 to	1.00 to	4.00 to
Cypripediums.....	1.00 to	1.00 to	1.00 to	1.00 to
Lilies, Longiflorum.....	1.00 to	1.00 to	1.00 to	1.00 to
Lily of the Valley.....	4.00 to	1.00 to	1.00 to	4.00 to
Violets.....	5.00 to	.75 to	.75 to	5.00 to
Snapdragon.....	1.00 to	1.00 to	1.00 to	1.00 to
Narcissus, Paper White.....	2.00 to	4.00 to	2.00 to	2.00 to
Corn Flower.....	1.00 to	1.00 to	1.00 to	1.00 to
Freesia.....	1.00 to	1.00 to	1.00 to	1.00 to
Daffodils.....	4.00 to	5.00 to	4.00 to	4.00 to
Stevia.....	2.00 to	1.00 to	1.00 to	2.00 to
Sweet Peas.....	.50 to	1.00 to	1.00 to	.50 to
Gardenias.....	1.00 to	1.00 to	1.00 to	1.00 to
Adiantum.....	1.00 to	1.00 to	1.00 to	1.00 to
Smilax.....	1.00 to	1.00 to	1.00 to	1.00 to
Asparagus Plumosus, Strings (100).....	25.00 to	50.00 to	75.00 to	25.00 to
" " & Spreng. (100 bchs.).....	25.00 to	25.00 to	25.00 to	25.00 to

WILLIAM F. KASTING Co.

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383-387 ELLICOTT ST. - - - BUFFALO, N. Y.



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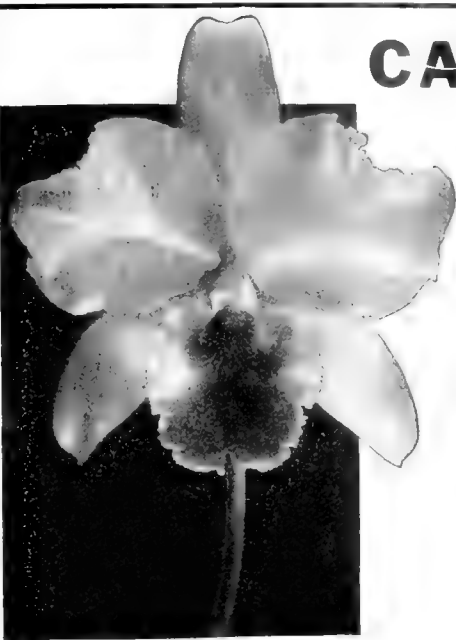
Flower Market Reports

The flower markets are dull and if business does not take a quick jump cobwebs will begin to appear in the stalls. Nothing is moving easily—that's the whole story. Roses are plentiful, so are carnations. Carnation prices are hardly better than those received during the summer. Pink Delight, Beacon, Matchless and Alice Coombs are the best selling varieties. The supply of orchids is more than sufficient. Greens are fairly plentiful. Plants are moving better than the cut flowers. Narcissi, hyacinths and snapdragons are moving slowly. The demand for yellow marguerites still continues.

The week which has just past was quite unsatisfactory. Trade was very dull and receipts were heavy in the rose and carnation line. Beauties are in good supply and the quality good, though the demand lacks. The same holds true with carnations and violets. White Killarney has been very plentiful but a shortage is soon looked for. Some good Formosa and Japan lilies have had a fair sale. All other flowers very good and overstocked.

Rose stock is shortening up and the buyer finds that a given amount of money buys a smaller bundle than last week. Three cents is the lowest this week while roses could be bought for two last week. American Beauties have had another dollar added to the price per dozen and all growers report that flower as going off crop and this would be felt more were trade up to normal. Sweet peas are on the gain, both in number and size, some of the cuts now being of good stem. Spring flowers are beginning to be seen on the counters, daffodils, tulips and pussy willows being first arrivals. Trade is not at all brisk. Even with the big call for funeral work reported quite generally, the trade is in a depressed state and the aggregate for the first half of January is going to be small. Carnations are the most overdone of all stock. The amount coming into the market is entirely beyond its need and it is impossible to sell them. Among the more fancy flowers, cattleyas are also in excess of the demand, and retail florists are making leaders of them at 35c. each in their advertisements.

It were a waste of time and printers' ink to attempt to give in detail the market condition as applying to each and every specialty now listed in the wholesale flower marts. Suffice it to say that the market is overloaded with an excess crop of everything and we know of no exception to this. Carnations at \$5.00 a thousand and cattleyas at \$10 a hundred are a January fact which we think is unprecedented even in the records of mid-January gluts, for, although equally low selling values may have been known heretofore yet the quality of the stock so quoted has never been so high. Business is very unsatisfactory and there is little activity in any direction at present.



CATLEYAS

Splendid quality, mostly the higher colored ones—a few almost pure white.

	Doz.	100
Specials,	\$6.00	\$35.00
Fancy,	4.00	25.00
PERCIVALIANA,	3.00	20.00

VALLEY

Special,	\$4.00 per 100
Extra,	3.00 per 100

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WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON January 14		ST. LOUIS January 11		PHILA. January 11	
Roses						
Am. Beauty, Special	20.00	to 30.00	40.00	to 50.00	25.00	to 35.00
" " Fancy and Extra	15.00	to 20.00	25.00	to 35.00	10.00	to 20.00
" " No. 1	5.00	to 8.00	10.00	to 20.00	3.00	to 5.00
Killarney, Richmond, Extra	4.00	to 10.00	6.00	to 8.00	6.00	to 10.00
" " Ordinary	2.00	to 4.00	3.00	to 4.00	2.00	to 5.00
Hillingdon, Ward, Sunburst, Extra	6.00	to 8.00	6.00	to 8.00	6.00	to 10.00
" " Ordinary	1.00	to 2.00	3.00	to 4.00	2.00	to 5.00
Maryland, Shawyer, Taft, Extra	4.00	to 8.00	6.00	to 8.00	6.00	to 10.00
" " Ordinary	2.00	to 4.00	3.00	to 4.00	2.00	to 6.00
Russell, Hadley, Ophelia	4.00	to 12.00	6.00	to 8.00	3.00	to 15.00
Carnations, Fancy	1.50	to 2.00	2.00	to 3.00	2.00	to 3.00
" " Ordinary	1.50	to 1.50	1.00	to 1.50	1.50	to 2.00
Cattleyas	20.00	to 30.00	40.00	to 50.00	20.00	to 50.00
Cypripediums	10.00	to 10.00	10.00	to 10.00	12.50	to 15.00
Lilies, Longiflorum	2.00	to 10.00	12.00	to 15.00	8.00	to 12.00
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	1.00	to 4.00
Violets	1.25	to .75	.50	to 1.00	.25	to 1.00
Snapdragon	3.00	to 4.00	6.00	to 12.00	4.00	to 12.50
Narcissus, Paper White	2.00	to 3.00	2.00	to 3.00	1.00	to 3.00
Corn Flower	to .75	to .75	to .75	to .75	1.50	to 2.00
Freesia	to 2.00	to 2.00	3.00	to 4.00	1.00	to 6.00
Daffodils	to 4.00	to 4.00	2.00	to 3.00	1.00	to 1.50
Stevia	to 1.00	to 1.00	to 1.00	to 1.00	1.00	to 1.50
Sweet Peas	to 1.50	to 1.50	to 1.50	to 1.50	18.00	to 1.50
Gardenias	to 30.00	to 30.00	to 30.00	to 30.00	to 30.00	to 30.00
Adiantum	to 1.00	to 1.00	1.00	to 1.25	to 1.00	to 1.00
Smilax	to 12.00	to 12.00	to 12.00	to 12.00	to 12.00	to 12.00
Asparagus Plumosus, Strings (100)	25.00	to 40.00	35.00	to 50.00	to 50.00	to 50.00
" " & Spreng. (100 Bchs.)	25.00	to 35.00	12.00	to 15.00	to 15.00	to 15.00

General conditions here were about as usual for the first week after the new year, perhaps a shade less satisfactory than last year if anything, on account of the lower prices. Stocks of all kinds still very plentiful especially carnations. Roses have slackened up a little in quantity.

Since the holidays' business has naturally quieted down a little, though a good many large social affairs are planned between now and the Exposition opening, and the local market is by no means dull. Shipping business also is holding up fairly well. The violet situation has been unsatisfactory; with a large acreage, drought, disease and cold weather left scant supplies for the holidays, while now stock is

coming in even too freely and is being sold by street vendors as low as 5c. per bunch. A good deal, however, is being shipped. The chrysanthemum season is about over, and poinsettias are well cleaned up. There is an excellent cut of roses, and some very fine displays are appearing about town. The white varieties are getting much more attention. Killarney Queens are very nice, but neither they nor Richmonds are moving very well, while Beauties are unusually fine and bring good prices. The same is true of Sunburst and Mrs. Aaron Ward. There is a fine crop of Cecil Bruner, but dealers hesitate to pay the prices asked. Short roses, in general, find a good market. Carnations are very fine and plentiful but continue to bring good prices. Lilium formosum is getting fairly plentiful and is well

(Continued on page 8)

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ORCHIDS A SPECIALTY

THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND

GARDENIAS, DAISIES, ROSES AND CARNATIONS

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ROSES AND CARNATIONS

Last Half of Week
ending Jan. 9
1915

First Half of Week
beginning Jan. 11
1915

American Beauty, Special	to	8.00	to	10.00
" " Fancy and Extra	to	8.00	to	10.00
" " No. 1	to	8.00	to	10.00
Killarney, Richmond, Extra	to	3.00	to	5.00
" " Ordinary	to	3.00	to	5.00
Hillingdon, Ward, Sunburst, Extra	to	3.00	to	5.00
" " Ordinary	to	3.00	to	5.00
Maryland, Shawyer, Taft, Extra	to	6.00	to	10.00
" " Ordinary	to	6.00	to	10.00
Russell, Hadley, Ophelia	to	5.00	to	10.00
Carnations, Fancy Grade	to	3.00	to	5.00
" " Ordinary	to	3.00	to	5.00

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Wholesale Florists

101 W. 28th St., NEW YORK

We have 20 years' experience behind us.
Telephone, Madison Square 896 and 897.

Flower Market Reports

(Continued from page 85)

received at satisfactory prices. The same may be said of greenhouse daffodils and freesias. The cut of gardenias is still very fine and the stock cleans up fairly well at the usual figure. Orchids continue in fair supply. As for potted plants, azaleas are still showing up well, with cyclamen and begonias fairly plentiful.

ST. LOUIS The business of last week was not of the pleasing kind in either wholesale or retail circles, the market being very much crowded all week and the demand slow. Roses were in abundance and the better grades had all the demand, while the poorer ones brought little or nothing and extra fancies did not run over \$6 per 100. Carnations are good but too many good lilies, lily of the valley and other bulb stock can be had in daily abundance, but sweet peas, Roman hyacinth and violets are not any too many just now.

WASHINGTON Business, according to all reports, is equally as good as in previous years at this time. But very little is expected during the first two weeks in January. There were a few substantial, and quite a number of minor decorations during the week which were very welcome. Stock is comparatively cheap. There has been quite a slump in the violet market. Sweet peas are also very plentiful and equally cheap. Gardenias are in much larger supply and the quality is better than for some time. There is a good supply of cyclamen, primroses and azaleas, for which there is a fair demand. The increased production of roses and carnations has caused a marked decrease in the price. The quantity of red roses is decreasing. The supply of these has exceeded that of January of the last few years. Novelties are holding their own in the week's quotations and Radiance and Mrs. Ward roses are moving very satisfactorily. There is a plentiful supply of narcissus for which there is but a weak demand. White lilac was seen in the market last week, this being its initial appearance of the season.

CHICAGO FLORISTS' CLUB.

Novelty Night and Installation.

The installation of officers of the Chicago Florists' Club took place Thursday, Jan. 7, and was combined with a veritable flower show. The invitation to display stock, especially of new varieties, was responded to in a way which showed that stock is abundant. Probably more attention was given to the Mrs. Russell rose, exhibited by Poehlmann Bros., than to any other rose, for its size, color, form and foliage placed it in a class by itself. An exhibit of 200 cattleyas was also made by this firm. Some splendid roses and carnations were sent by Heller and also by Olinger from New Castle, Ind. There was an exhibition of new carnations by Dorner of Lafayette, Ind. Arrangements for the evening were in the able hands of Michael Fink.

The following officers were installed: President, Wm. J. Keimel, Elmhurst, Ill.; vice president, James

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New Crop Fancy Ferns - - - \$0.75 per 1000
Dagger Ferns - - - .75 per 1000

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Bronze and Green Galax, \$1.00 per 1000;
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Sphagnum Moss, large sack, only 40c.
Pine by the pound, 8c., or by the yard.
Branch Laurel, 35c. for a large bundle.
Southern Smilax, 50-lb. cases, \$5.00.
Green and Bronze Leucothoe Sprays, \$3.00 per 1000.

Fine Boxwood, \$7.50 per 50-lb. case.
Order in advance.

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MISCELLANEOUS	Last Half of Week ending Jan. 9 1915		First Half of Week beginning Jan. 11 1915	
Cattleyas	12.00	to 14.00	12.00	to 14.00
Lilies, Longiflorum	6.00	to 8.00	4.00	to 8.00
" Rubrum	2.00	to 5.00	2.00	to 3.00
Lily of the Valley	1.80	to 2.00	1.80	to 2.00
Violets	.50	to .75	.50	to .75
Snapdragon	4.00	to 7.00	4.00	to 8.00
Narcissus, Paper White, Roman Hyacinths	1.00	to 2.00	1.00	to 2.00
Corn Flower	1.80	to 2.00	1.80	to 2.00
Stevia	1.00	to 1.50	1.00	to 1.50
Mignonettes	3.00	to 6.00	3.00	to 6.00
Lilac (per bunch)	1.00	to 1.50	1.00	to 1.50
Sweet Peas (per 100 bunches)	2.00	to 8.00	2.00	to 8.00
Gardenias	15.00	to 25.00	15.00	to 25.00
Adiantum	.50	to .75	.50	to .75
Smilax	8.00	to 10.00	8.00	to 10.00
Asparagus Plumosus, strings (per 100)	25.00	to 30.00	20.00	to 25.00
& Spreu (100 bunches)	15.00	to 25.00	15.00	to 25.00

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New England Grown Roses, Violets, Pansies, Primroses, Sweet Peas, Corn Flowers, Daisies

Highest Prices for Choice Stock. Write for Particulars.

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Morton, Chicago; secretary, Guy W. French, Morton Grove, Ill.; treasurer, Paul Klingsporn, Chicago; trustee, C. L. Washburn, re-elected for two years. Plans for a Ladies' Night in March are underway.

WESTCHESTER AND FAIRFIELD HORTICULTURAL SOCIETY.

There was a large attendance at the monthly meeting of this society, Jan. 8. The following officers were installed. Pres. Wm. J. Sealey; vice pres. Wm. Morrow; treas. Robt. Williams; sec'y J. B. McArdle; cor. sec'y P. W. Popp; executive committee John T. Burns, Ewen McKenzie, Thos. Ryan, James Stuart, James Foster. The members of this society will please take notice that the meetings will hereafter start promptly at 7.30 o'clock P. M. thereby enabling those who come from a distance to enjoy at least the full business session. It was voted to hold the annual summer exhibition in June, dates and location to be announced later. A committee was appointed to complete all arrangements for the annual entertainment and dance which will be held in February. A feature of this meeting was the illustrated lecture by Neil Morrow Ladd, president of the Greenwich Bird Protective Society on "How to attract the Birds." Feeding devices, shelters, etc., were illustrated and described. A rising vote of thanks was accorded the speaker. The competition for the sec-

retary's prize for the best 18 carnations in three varieties brought out a wonderful display, the judges awarded 1st, to Thos. Ryan; 2nd to John Canning; 3rd, to Robt. Grunnert; the other competitors each received a vote of thanks. In the non-competitive display the judges awarded a cultural certificate to Sam'l Bachelor for a magnificent vase of "Gorgeous" also was highly commended for each of several other fine vases of carnations. Thos. Aitcheson, carnations, vote of thanks; seedling carnations from A. Wynne highly commended; P. W. Popp, yellow sport of Mrs. C. W. Ward, highly commended; A. L. Marshall, laelias, highly commended; Robt. Williamson, Cyrtipedium insigne, highly commended. Votes of thanks to Carl Hankerson for Killarney roses; Thos. Ryan, for carnations; R. Grunnert, for vegetables, P. W. Popp, for Buddleia asiatica.

At the next meeting Feb. 12 will be a lecture on Coniferous Trees, by James Kelly of New Canaan, Conn. John Canning offers prizes for the best vase of roses any varieties.

P. W. Popp, Cor. Sec'y.

January 8, 1915.

Horticulture Publishing Company, 11 Hamilton Place, Boston, Mass.:

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Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

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Ampelopsis Vetchill, 3-yr., extra strong roots and tops, 3 to 4 ft., \$8.00 per 100; 2-yr., strong, 2 to 3 ft., \$4.00 per 100; \$35.00 per 1000; 2-yr., good, 18 to 24 in., 50 by parcel post, \$2.00; \$5.00 per 100; \$25.00 per 1000, by express. All packed to carry safely without extra charge. CHAS. BLACK, Hightstown, N. J.

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Begonia Gloire de Chateleine, 2-in., \$4.00; 3-in., \$7.00; 4-in., \$12.00; 5-in., \$20.00 per 100. These are an extra choice lot of plants; if not used for sale, they make good stock plants at a bargain price. CHRIST WINTERICH, Cyclamen Specialist, Defiance, O.

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Folding cut flower boxes, the best made. Write for list. HOLTON & HUNKEL CO., Milwaukee, Wis.

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August Rolker & Sons, New York City.
Holland and Japan Bulbs.

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C. KEUR & SONS, HILLEGOM, Holland.
Bulbs of all descriptions. Write for prices.
NEW YORK Branch, 8-10 Bridge St.

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CANNAS

Canna Specialists.
Send for Canna book.
THE CONARD & JONES COMPANY,
West Grove, Pa.

CARNATIONS

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Carnation Matchless a Great Success.
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CARNATION STAPLES

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 1000 for 35c.; 3000 for \$1.00 post paid. I. L. PILLSBURY, Galesburg, Ill.

Supreme Carnation Staples, for repairing split carnations, 35c. per 1000; 3000 for \$1.00. F. W. WAITE, 85 Belmont Ave., Springfield, Mass.

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COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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CYCLAMENS

Thomas Roland, Nahant, Mass.
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A great bargain in blooming cyclamen, full of blooms and well set with buds, every plant a specimen, mostly light shades, 2 1/2-in., \$5.00; 4-in., \$10.00 and \$15.00; 5-in., \$25.00 and \$35.00; 6-in., \$50.00 and \$75.00 per 100. We have received a good many letters similar to this one: "Thank you very much for the beautiful cyclamen plants. It does not take a salesman to sell them."—Colonial Flower Shop, Goshen, Ind.

Cyclamen seedlings, once transplanted, of our well-known strain, only the best sent out, with cultural directions; in separate colors, \$3.50 per 100; \$30.00 per 1000. These are strong, once transplanted stock, not to be compared with seedlings. 250,000 grown this season. CHRIST WINTERICH, Cyclamen Specialist, Defiance, O.

DAHLIAS

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange. GEO. H. WALKER, Dahlia Expert, North Dighton, Mass.

DAHLIAS.

Send for Wholesale List of whole clumps and separate stock; 40,000 clumps for sale. Northboro Dahlia and Gladiolus Gardens, J. L. MOORE, Prop., Northboro, Mass.

NEW PAEONY DAHLIA

John Wanamaker, Newest, Handsomest, Best. New color, new form and new habit of growth. Big stock of best cut-flower varieties. Send list of wants to PEACOCK DAHLIA FARMS, Berlin, N. J.

ALEXANDER'S QUALITY DAHLIAS are the best on the market; 800,000 Clumps to offer, at rock bottom prices, in full field clumps, and strong divisions. If you are looking for stock for your 1915 Catalogue, or for forcing, send at once for free catalogue. J. K. ALEXANDER, "The Dahlia King," East Bridgewater, Mass.

DECORATIVE PLANTS

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FUCHSIAS

Fuchsias—Black Prince, Speciosa, double
purple and white, Rooted Cuttings, \$1.00
per 100; 2½-in., \$2.00 per 100.
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Independence, 1st size, \$8 per 1000. Special prices on other home grown Gladioli.
MUNSELL & HARVEY, Ashtabula, Ohio.

Gladiolus—Shakespeare, Hyde Park, Morning Star. Good for Florists' use. First and second sizes. Write for prices.
HERMAN H. BAER, New Hyde Park, N. Y.

America, Augusta, Mrs. King, Halley (early), Chicago White (early), Klondike, Princeps, Taconic, Golden King, Peace, Niagara, Victory, Mrs. F. Pendleton, small sizes, low prices. Write. HOMER F. CHASE, Lawrence, Mass.

First size healthy Gladioli, per 1000: Augusta, 14.00; Hulot, 14.00; Halley, 14.00; King of Yellow, 25.00; Francis King, 14.00; Panama, 37.50; Pink Beauty, 39.00; White and Light Mixed, 10.00. Send for list of 75 varieties, including planting sizes. F. E. SWETT & SON, Stoughton, Mass.

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Greenhouse glass, lowest prices. JOHN-STON GLASS CO., Hartford City, Ind.

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GOLD FISH

Gold fish, aquarium plants, snails, castles, globes, aquarium, fish goods, nets, etc., wholesale. FRANKLIN BARRETT, Breeder, 4815 D St., Olney, Philadelphia, Pa. Large breeding pairs for sale. Send for price list.

GREENHOUSE BUILDING MATERIAL

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A. T. Stearns Lumber Co., Neponset, Mass.

STANDARD HOT BED SASH—\$0c. each
Glass, 6 x 8, 8 x 10, 10 x 12 or 10 x 14, \$1.50
per box. C. N. ROBINSON & BRO., Dept.
29, Baltimore, Md.

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IVY

English Ivy from field, 20 to 30 in., \$3.00;
from pots, 30 to 40 in., \$5.00 per 100
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PEONIES

Peonies. The world's greatest collection.
1200 sorts. Send for list. C. BEISCHER,
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PECKY CYPRESS BENCHES

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"Riverton Special."

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SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and
orchid baskets always on hand. LAGER
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STOVE PLANTS

Orchids—Largest stock in the country—
Stove plants and Crotons, finest collection.
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Geo. N. Barrie, Brookline, Mass.
For page see List of Advertisers.

A Superb Gift!

JUST PUBLISHED

THE PRACTICAL BOOK OF Outdoor Rose Growing

FOR THE HOME GARDEN

by

GEORGE C. THOMAS, JR.

Elaborately Illustrated with 96 Perfect Reproductions in Full Color of All Varieties of Roses, and a Few Half-tone Plates. Octavo, Handsome Cloth Binding, in a Slip Case. \$4.00 net. Postage Extra.

ITS SPECIAL APPEAL

As a Practical Working Manual for Outdoor Rose Growing in America This Volume Contains Several Features Which Make it Exceptionally Valuable:

First, plain and carefully thought out rules, which have proven successful for many years in actual practice.

Second, a list of roses made only after the entire catalogue list of varieties has been systematically tried for years in this country in testing beds.

Third, ninety-six remarkable illustrations in color reproduced from autochrome color photographs made from the varieties tested.

In addition, chapters devoted to general information are added as of interest, and books going further into detail on the various subjects are suggested.

Don't overlook the appropriateness of this beautiful volume as a gift to any friend who loves Roses.

For sale by

Horticulture Publishing Co.
BOSTON.

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "Care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

SITUATIONS WANTED

SEEDSMAN well equipped in general knowledge of the business; long experience in stock, order and store departments; duties of position have exercised tact, judgment and business qualities generally; though slow in changing positions, have kept up with the broadening tendency of the seed business; a good investment for some progressive seed firm. **DENNIS KENNA**, 436 Amity St., Flushing, N. Y. (Flushing is in New York City, Borough of Queens)

SITUATION WANTED—Lady with some experience in general florist work, wishes situation in flower store or retail greenhouse establishment. New England location preferred. Address "L. E. B." care HORTICULTURE.

SITUATION WANTED—On "commercial place. Twenty years' experience in greenhouses. In charge of last place seven years. Best of references. Address "R. H." care of HORTICULTURE.

SITUATION WANTED—I can recommend an assistant for in or outdoors, well experienced. Please write to **MILLARD**, Supt. Geo. W. Perkins Estate, Riverdale-on-Hudson, N. Y.

FOR SALE

Florists' Attention

We have on hand ready for shipment all material necessary for the superstructure of a **MODERN IRON FRAME LUTTON GREENHOUSE**, 42 ft. wide x 150 ft. long. We will dispose of this material for \$1300, F. O. B. our Factory. Remember everything is new and strictly first class; just the same kind of a house that has made the **LUTTON** Reputation. We will send you even the **GALVANIZED NAILS, BOLTS AND SCREWS** for assembling the house. Plans sent on request.

William H. Lutton Company

Jersey City, N. J.

FOR SALE

Four Greenhouses and Office

Front greenhouse, 100 ft. x 25 ft., and office. Iron frame throughout, built by Hitchings & Co., New York. Three greenhouses, boiler house and work shop in rear. Large greenhouse in the rear, 110 ft. x 26 ft., two greenhouses 20 ft. x 30 ft. Steam heat. About an acre of land. Situated on Hatten Street, Danvers, Mass., on electric and steam car lines. Only eighteen miles from Boston. Danvers is a growing town with a population of 10,000. Population of 200,000 within a radius of ten miles.

Former owner carried on business for thirty years, established good wholesale and retail trade. Must be sold to settle the estate. Apply to

Mr. **DAVID S. BROWN**, Administrator,
130 Pine Street, Danvers, Mass.

FLORIST'S BUSINESS FOR SALE.

Location on the main line P. R. R., near city, fully equipped and in a very good mess. Also a wagon. Full particulars on application. **Ernst Wannemacher**, 2095 N. 63rd St., Overbrook, Phila., Pa.

FOR SALE Fresh from factory now, 16 x 12, 16 x 18, 16 x 24, double and triple end B qualities. Market dropped. Now is the time to buy and save money. **PAR-SHELSKY BROS., INC.**, 215-217 Haver-meyer St., Brooklyn, N. Y.

In writing to Advertisers kindly mention Horticulture

CATALOGUES RECEIVED.

I. T. Stewart & Co., Mich.
Wholesale Price List. Goodrich. It is not only a price list, but it contains a list of the most popular items.

Charles L. & Co., Wellesley, Mass. Price List. Goodrich. Bulletin for 1915. An interesting bulletin which the most popular items and 2 novel ties are fully illustrated.

J. K. Alexander, East Bridgewater, Mass. Wholesale Trade List for Spring 1915 of the East Bridgewater Dahlia Gardens, "which are the largest in the world." Quotations per doz., 100 and 1,000.

Good & Rose Co., Springfield, O. Spring Trade List, 1915, for Florists, Nurserymen and Dealers Only. Good & Rose Co. claim to be the largest rose growers in the world. This catalogue covers a lengthy list as well as of other plants hardy and tender.

J. J. Wilson Seed Company, Newark, N. J.—List of Flower and Vegetable Seed Novelties and Specialties—1915. *Antirrhinum nanum grandiflorum* The Fawn, *Calliopsis compacta* Fire King, and other useful florists' flowers are illustrated.

Weeber & Don, New York.—General Seed and Garden Catalogue for 1915. A very handsome catalogue, fine paper, fine cuts and excellent arrangement. The trade mark of the firm, a sower scattering seeds, make an appropriate cover medallion. There is a tempting novelty list.

R. & J. Farquhar & Co., Boston.—Garden Annual, 1915. A 172-page volume, with a very artistic and unique cover showing a blooming specimen of *Lilium myriophyllum* in dark green on a pure white surface and overlaid with a panel giving a birdseye view of the extensive plant nurseries and plant houses of this firm at Dedham, Mass. On the back cover appears a group of eight views in different sections of the nurseries. The book is profusely illustrated and well indexed and attractive throughout.

Sluis & Groot, Enkhuizen, Holland.—General Price List of Vegetable, Flower and Agricultural Seeds. Issued under date of December 22, 1914. This is a wholesale price list of 125 pages, very comprehensive, and to anyone interested in European flower seeds and Holland vegetable specialties the book has an intrinsic value of uncommon scope. We must look to Holland as the "go-between" for commercial relations with many European sources of supply under the conditions now existing and in that country Sluis & Groot stand well equipped to be of service. On mignonette, candytuft, calendulas, etc., in florists' flowers and spinach and root crops in market gardening specialties this firm has an enviable record.

H. A. Dreer, Philadelphia, Pa.—Dreer's Garden Book, 1915. Appropriately bound in forest green, with gold embossed lettering and the well-known trade mark of the Dreer house and handsomely printed and embellished with engravings, this book will have no trouble in finding its way to the hearts of the garden people. It contains 272 pages of solid, substantial material, including fine full-page colored plates of roses, larkspurs,

Pulverized Sheep Manure

From Big Feeding Barns

No Adulteration—No Weed Seeds



THIS IS THE BRAND
GUARANTEED PURE

Sheep's Head Manure is the cleanest in America. Here are the big covered corrals of the railroads, where the sheep are unloaded and kept from 60 to 90 days to fatten for the Chicago market.

We Guarantee

our product to be absolutely clean—no pig manure or other adulteration—nothing but sheep manure—dried and pulverized for easy handling, and all the weed seeds killed.

Some of the largest growers in the East have used our product for years.

Shipped in 100 lb. sacks

Write for quotations and freight rates

NATURAL GUANO CO.

815 River Street

Aurora, Ill.

dwarf zinnias and garden vegetables. Dreer's is a big institution and this, its 77th annual edition of the Garden Book, is in every respect a worthy herald of its spring ministrations to the growing horticultural appetite of the American people.

PUBLICATIONS RECEIVED.

Gardeners' and Florists' Annual for 1915. Published by A. T. De La Mare Printing and Publishing Co., Ltd., New York—The contents of this volume are quite fully indicated on the title page, as follows: "A Digest of the Events of the Horticultural Year at Home and Abroad; A Business Section Devoted to Banking, Insurance, Exporting, Importing, etc.; Special Articles of Current Interest, Men Prominent During the Year and an Invaluable Section of Practical Rules; Hints and Recipes all Indexed and Classified." The book contains 232 pages, besides some 50 pages of advertising. It embraces much of timely interest and will, no doubt, be found useful as a handy reference and, as such, will be welcomed by the profession. It gives evidence of much patient and painstaking application in its preparation and insofar as it is intended to fill a new field not hitherto supplied in this country in a practical way, it looks like a success and deserves to be such. The selling price is 50 cents.

First Report of the Board of Park Commissioners, Spokane, Washington—A model of artistic excellence, as

well as a very interesting compilation of information valuable for anyone whose mind is engrossed in park work and modern methods of entertaining and refreshing the public in metropolitan communities. Type matter and the illustrations, which are many and beautiful, are printed in dark green ink. There are eight folded maps and plans which add materially to the lucidity of its story and Superintendent Duncan is to be congratulated on the very evident success of his administration.

The Fifteenth Annual Report of the Minnesota State Entomologist, a bound volume of over two hundred pages is just received and is worthy of more than passing notice. The contents include chapters on Insect Conditions in 1913 and 1914, Useful Birds found in Minnesota, Nursery Inspection, Tree Insects, Spraying, Index to Insect Life, Fly Control, Warble Flies, Truck Crop Insects, Wire Worms, Preliminary notes on Odonata and The Acrididae of Minnesota. In addition to the text which is freely illustrated there are sixteen full page plates of which four pages of birds and four of grasshoppers are beautiful examples of color work. The chapter on useful birds, 19 pages, is written in popular form and should prove of much educational value in impressing upon the public the close relationship between bird protection and freedom from destructive insects. In short, the book is teeming with valuable and interesting facts presented in an exact, but not too scientific manner.

LIQUID — "NICO-FUME" — PAPER

40% Nicotine

8-lb. can	\$10.50
4-lb. can	5.50
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288 sheet can	\$7.50
144 sheet can	4.00
24 sheet can95

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SPRAYING—VAPORIZING—FUMIGATING

YOUR DEALER HAS THESE PRICES

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Incorporated, Louisville, Ky.



NIKOTEEN For Spraying
APHIS PUNK For Fumigating

ASK YOUR DEALER FOR IT.

NICKOTINE MFG. CO. ST. LOUIS, MO.

LEMON OIL CO'S STANDARD'S SOLUBLE IN WATER INSECTICIDE NO ODOR NO POISON

Guaranteed under the Insecticide Act, 1910. Series No. 321

Save your plants and trees. Just the thing for Greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrip, Red Spider, Black and Green Fly, Mites, Ants, Insects on Rose-bushes, Carnations, etc., without injury to plants and without odor. Used according to directions our standard Insecticide will prevent ravages on your crops by insects.

Non-poisonous and harmless to user and plants. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pests. Excellent as a wash for dogs and other animals. Relieves mange.

Effective where others fail.

1/2 Pint...25c; Pint...40c; Quart...75c
 1/2 Gal., \$1.25; Gal., \$2.00; 5 Gal. Can., \$9
 10 Gal. Can., \$17.50

Dilute with water 30 to 50 parts.

For Sale by Seedsmen and Florists' Supply Houses
 If you cannot obtain this from your supply house write us direct.

LEMON OIL COMPANY, Dept. K

420 W. Lexington St., Baltimore, Md.

Directions on every package

Cocoanut Fibre Soil WAR

Does not stop the use of Humus.
 All seedsmen keep it in stock. It is the last word in Fertilizing Humus.
 Send for Prices.

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Send your business direct to Washington.
 Saves time and insures better service.
 Personal attention guaranteed.
 Thirty years active service.

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Unequalled for Greenhouse and
 Landscape Fertilizing

THE PULVERIZED MANURE CO.

31 Union Stock Yards, Chicago

SCOTCH SOOT

Where there is a house that is just full of buds almost ready to show color, nothing will turn better color into the flowers than a little soot, that can be scattered over the benches before watering. The amount applied should not be excessive, as the soot is very strong and may damage some of the foliage somewhat. Apply just enough to blacken the surface of the soil in the benches, and let it go at that. Better a little oftener than too much all at once.

We offer the genuine in original cwt. Sacks, at:
 \$4.00 per 112 lbs.; \$17.50 per 560 lbs.

Stumpp & Walter Co.

30-32 Barclay Street, NEW YORK

January 6, 1915.

Horticulture Publishing Company,
 Boston, Mass.:

Gentlemen—Last week's HORTICULTURE is not received. Have you scratched me off your list, or what is the matter? Appreciate your paper more than any of half a dozen I am receiving, and don't want to miss any copies. Will you please investigate?
 Yours truly,

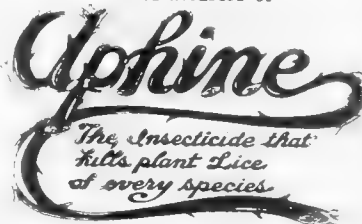
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Missouri.

THE APHINE MANUFACTURING COMPANY

Caterers to Florists and Gardeners

Manufacturers of



The Recognized Standard Insecticide.

A spray remedy for green, black, white fly, red spider, thrips, mealy bug and soft scale.

FUNCINE

An infallible spray remedy for rose mildew, carnation and chrysanthemum rust.

VERMINE

A soil sterilizer for cut, eel, wire and angle worms.

SCALINE

A scaleicide and fungicide combined for San Jose and various scale on trees and hardy stock, and various blights which affect them.

"40% NICOTINE"

A free nicotine, 40% strength, for spraying and vaporizing.

NIKOTIANA

A 12% nicotine solution properly diluted for fumigating or vaporizing.

If you cannot obtain our products from your local dealer, send us your order and we will ship immediately through our nearest agent.

Aphine Manufacturing Co.
 MADISON, N. J.

GEO. A. BURNISTON
 President

M. C. EBEL
 Treasurer

Plantlife Insecticide

A tobacco preparation used by the best growers for dusting and spraying.
 Write for book of testimonials and prices.

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251 East 66th St., New York, N.Y.

Aetna Brand Tankage Fertilizer

Is the best balanced fertilizer on the market, and is giving satisfactory results wherever used.

Farmers and Florists Fertilizer Company

30 Exchange Ave., Room 5, L. S. Yards,
 CHICAGO, ILL.
 Telephone—Drover 1932.

Est. 1765

FOR "POT LUCK" USE

Inc. 1904

Pot Makers for a
Century and a Half**HEWS STANDARD POTS**World's Largest
Manufacturers

AND RED EARTHENWARE SPECIALTIES

Write for Catalogue
and Discounts**A. H. HEWS & CO., Inc., Cambridge, Mass.**Warehouses:
CAMBRIDGE, MASS.
NEW YORK, N. Y.**HORTICULTURAL SOCIETY OF
NEW YORK.**

The Horticultural Society of New York will hold a mid-winter exhibition at the American Museum of Natural History on January 29. Good prizes are offered for exhibits by commercial and non-commercial growers and copies of the schedule may be had on application to the secretary, George V. Nash, Bronx Park, New York City.

Special prizes can be awarded by the Exhibition Committee for interesting and unusual exhibits not provided for in this schedule, as indicated in rule 6. It is hoped that advantage will be taken of this opportunity.

Plants and flowers for exhibition should be sent by express, prepaid, addressed: Horticultural Society, American Museum of Natural History, Columbus avenue and 77th street.

A meeting of the society will be held in the East Assembly Room at 3.45 p. m. A lecture will be delivered at 4 o'clock by William N. Craig, on "The Home Vegetable Garden."

COMING EVENTS.**Shows.**

New York City, Jan. 20.—Horticultural Society of New York at Museum of Natural History.

Buffalo, N. Y., Jan. 27-28.—Annual Show and meeting of American Carnation Society. A. F. J. Baur, Indianapolis, Ind.

New York, N. Y., March 17-23.—International Flower Show, Grand Central Palace, under auspices of Horticultural Society of New York and New York Florists' Club, John Young, 55 W. 28th St., New York, Sec.

Boston, Mass., March 25-28.—Annual exhibition and meeting of American Rose Society. Benjamin Hammond, Beacon, N. Y., Sec.

Club Meetings.

Detroit, Mich., Jan. 18.—Detroit Florists' Club, 153 Bates St.

Providence, R. I., Jan. 18, 8 P. M.—Florists' and Gardeners' Club of Rhode Island, 96 Westminster St.

Grand Rapids, Mich., Jan. 18.—Grand Rapids Florists' and Gardeners' Club.

Montreal, Jan. 18, 7.45 P. M.—Montreal Gardeners' and Florists' Club, Royal Guardians' Bldg.

St. Louis, Mo., Jan. 18.—Boyd Florists' Association of St. Louis, Mo., Hotel Washington.

Boston, Mass., Jan. 19, 8 P. M.—Gardeners' and Florists' Club of Boston, Horticultural Hall. Ladies' night and installation of officers.

Seattle, Wash., Jan. 19.—Seattle Florists' Society, Chamber of Commerce.

Toronto, Ont., Jan. 19.—Toronto (Ont.) Gardeners' and Florists' Association, St. George's Hall.

Lancaster, Pa., Jan. 21.—Lancaster (Pa.) City and County Florists' Association, Chamber of Commerce.

Tacoma, Wash., Jan. 21.—Tacoma (Wash.) Florists' Association, Masonic Hall, C and 11th Sts.

Rhinebeck, N. Y., Jan. 23, 8 P. M.—Violet Growers' Mutual Association of Rhinebeck, N. Y. Odd Fellows' Hall.

Baltimore, Md., Jan. 25, 8 P. M.—Gardeners' and Florists' Club of Baltimore, Florists' Exchange Hall.

Toledo, O., Jan. 26.—Toledo Florists' Club.

Yankton, S. D., Jan. 29, 21.—South Dakota State Horticultural Society, City Hall, Twenty-sixth and Broadway, N. E. Hansen, Brookings, Sec.

St. Louis, Jan. 27.—Ladies' night and dance of St. Louis Florists' Club, Westminster Hall.

Obituary**Charles McTaggart.**

Charles McTaggart, 46 years old, chief salesman for W. G. Marshall & Co., seedsmen, at 146 West Twenty-third street, New York, whose home was at Kearny, N. J., was cut in two by an eastbound Erie railroad train running on the west-bound track at 11.55 o'clock Sunday morning, Jan. 10, at the Kearny Station. Mr. McTaggart was to board the train at the station on his way to New York, and had walked along the tracks from his home. Because of repairs to the east-bound track the train approached the station on the west-bound track, and Mr. McTaggart, with his back to it, was unaware of its approach. Women on the station platform shouted warnings, but he heard them too late.

Louis S. Williams, Jr.

Louis S. Williams, Jr., son of Louis S. and Mary R. Williams, aged 19 years, died at his home 175 Acushnet avenue, New Bedford, Mass., on January 7, following an extended illness. Shortly after the boy's graduation from grammar school he entered the employ of William P. Pierce, where he learned the florist business. Two years later he opened a floral store at 180 Acushnet avenue, and had built up a good business. He is survived by a mother and father and a brother, Albert M. Williams.

**GREENHOUSES BUILDING OR CON-
TEMPLATED.**

Bangor, Me.—A. J. Loder, Main street, one house.

Marblehead, Mass.—William H. Symonds, Mount Vernon street, one house.

Fort Smith, Ark.—George Duey, range of houses.

Wauwatosa, Wis.—L. R. Schultz, Galena street, one house.

PERSONAL.

Olney H. Williams, of Johnston, R. I., has been drawn on the petite jury.

George Sutton, formerly with the firm of Van Lindley & Company, in Greensboro, N. C., has accepted a position at the store of George H. Cooke, Washington, D. C.

BUSINESS TROUBLES

Newark, N. J.—Timmey & Engel, florists, 41 Market street. Voluntary assignment.

**STANDARD FLOWER
POTS**

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts. Washington, D. C.

KING

The name that assures "the
most for the money" in

GREENHOUSES

Write for Bulletin No. 47
and you will see why.

KING CONSTRUCTION CO.

28 King's Road, N. Tonawanda, N. Y.

TRADE

**SKINNER
SYSTEM**

OF IRRIGATION.

MARK.

**for Farm, Garden,
Lawn and Greenhouse**

Ask for Information

GEO. N. BARRIE

BROOKLINE, - - MASS.

**DREER'S**

Florist Specialties,
New Brand. New Style.
Hose "RIVERTON"
Furnished in lengths up
to 500 ft. without seam or
joint.

The HOSE for the FLORIST
3/4-inch, per ft., 15 c.
Reel of 500 ft., " 14 1/2 c.
2 Reels, 1000 ft., " 14 c.
3/4-inch, " 13 c.
Reels, 500 ft., " 12 1/2 c.
Couplings furnished

HENRY A. DREER,
714 Chestnut St.,
PHILADELPHIA, PA.

1000 READY PACKED CRATES**STANDARD FLOWER POTS AND BULB PANS**

can be shipped at an hour's notice. Price

per crate:					
2600 1 3/4 in. @ \$6.00	500 4 in. @ \$4.50				
1500 2 " " 4.88	450 4 1/2 " " 5.24				
1500 2 1/4 " " 5.25	320 5 " " 4.51				
1500 2 1/2 " " 6.00	210 5 1/2 " " 3.78				
1000 3 " " 5.00	144 6 " " 3.16				
800 3 1/2 " " 5.80	120 7 " " 4.20				
	60 8 " " 3.00				

HILFINGER BROS., Pottery, Fort Edward, N. Y.

August Rolker & Sons, 51 Barclay St., N. Y. City, Agents

OUR SPECIALTY—Long Distance and Trade Export



The best PAPER
POT for shipping
purposes. Sizes from
2 in. to 6 in.

Ask your dealer for
them. Samples free.

E. ALLAN PEIRCE,
401 Oaks St.,
Waltham, Mass.

ON GUARD!!



No Greenhouse Man can afford to take the risk of leaving his place unprotected against the possibilities of overheating or frost, when absolute safety against either of these contingencies can be assured by installing the **faithful, sleepless, watchman**, whose portrait appears herewith. All you have to do is to set the hands—one at minimum and the other at maximum temperature limit and the Thermostat will give instant warning if temperature goes above or below.

All This for \$5.00

STANDARD THERMO CO., 65 Shirley Street,
BOSTON, MASS.

NOW SEND US THAT INQUIRY ON

Greenhouse Construction and Heating Material

Hot Bed Sash Pecky Cypress Celery Boards
Knock Down Plant Boxes

PROMPT SHIPMENTS

THE FOLEY GREENHOUSE MFG. CO.

3275 West 31st Street, - - - CHICAGO, ILL.

SHARP, PARTRIDGE & CO.

Are Leaders in

GREENHOUSE GLASS

OUR PRICES WILL PROVE THIS.

CHICAGO, ILL.

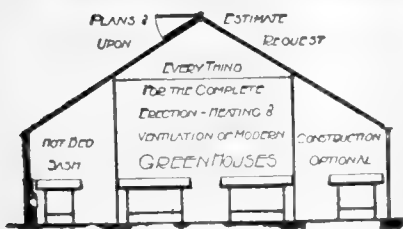
GLASS

**Greenhouse Material
Hot Bed Sashes**

Our prices can be had by mail, and it will pay you to get them. We carry the largest stock of Specially Selected Glass in Greater New York and can supply any quantity from a box to a car load on a one day notice, and at Rock Bottom Prices.

PARSHELSKY BROS. Inc.
215-217 Havemeyer St., Brooklyn, N. Y.

S. JACOBS & SONS



1359-1385 Flushing Ave.

BROOKLYN, - - - N. Y.

**Dreer's Peerless
Glazing Points
For Greenhouses**

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts.

The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid.
Samples free.

HENRY A. DREER,
714 Chestnut Street,
Philadelphia.

FULL
SIZE
No. 2



CHANGE OF NAME
FROM

Quaker City Machine Co.

TO

THE JOHN A. EVANS CO.

Richmond, Ind.

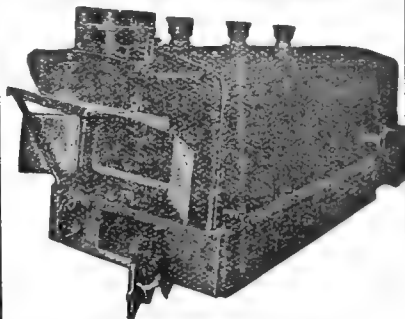
THE FLORISTS' HAIL ASSOCIATION OF AMERICA, insurer of 39,000,000 sq. ft. of glass

For particulars address

John G. Esler, Sec'y Saddle River, N. J.

KROESCHELL BOILER

SEND FOR CATALOGUE



KROESCHELL BROS. CO.
466 W. Erie St., Chicago, Ill.

SECOND HAND PIPE

Guaranteed capable of pressures necessary for irrigation. Newly threaded and coupled.

Special LOW PRICES for
WINTER DELIVERY

Largest dealers in all sizes of Second Hand Storage and Pressure Tanks, Boilers, etc.

We are Agents for
THE SKINNER SYSTEM

THE PERRY, BUXTON, DOANE CO.

200 West First St., So. Boston, Mass

MASTICA



USE IT NOW

F.O. PIERCE CO.
12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.



The Arthur Overcroft range at Northport, La. The four houses at the right are "A, B, C, D." The big one at the left we were paid to reconstruct.

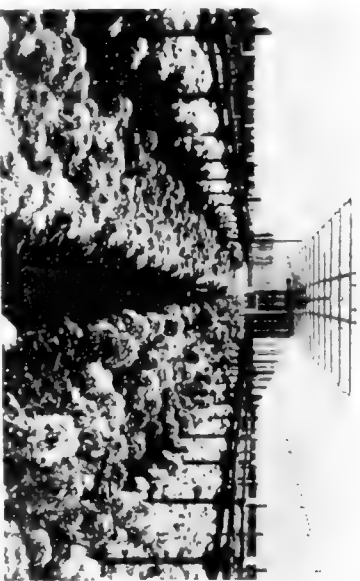
One of Uncle Sam's Boys Made a Mistake and Instead of The Plans Going to Arthur Cockcroft at Northport, L. I., They Went Off to Honolulu

The first of these is the fact that the majority of the population of the United States is now living in urban areas. This is a result of the process of urbanization, which has been going on since the beginning of the industrial revolution. The second factor is the fact that the majority of the population of the United States is now living in the South and West. This is a result of the process of migration, which has been going on since the beginning of the 20th century. The third factor is the fact that the majority of the population of the United States is now living in the middle class. This is a result of the process of social mobility, which has been going on since the beginning of the 20th century. The fourth factor is the fact that the majority of the population of the United States is now living in the white middle class. This is a result of the process of racial segregation, which has been going on since the beginning of the 20th century. The fifth factor is the fact that the majority of the population of the United States is now living in the white middle class. This is a result of the process of racial segregation, which has been going on since the beginning of the 20th century.

[illegible]

about May, last year. Mr. Cookerfoot was putting the bones up, and in a small collection with Mr. Albert Haines of Philadelphia Summit, near Philadelphia. He had a lot of bones, and a few plates were given. He had a lot of bones, and a few plates were given. He had a lot of bones, and a few plates were given.

Our collection has been made up of materials with "rural" and "wood" themes. The latter being a predominate theme throughout the collection.



higher considerably higher. So much higher, we just
the other.

Two years afterwards, however, when the house had been "probably" and we were asked to strengthen and re-support the entire roof. At this point we would have admitted that when he bought another house he would build complete constructions and materials, first, and price afterwards.

The lower priced house he bought, was worth all he paid for it. He got just what he paid for.

Mr. Cook kept how says that "it better run out their eyes tooth on just grow; and better sharpened their with on quality, in my growth" but accounts would be larger And the just so in all other kinds of business; for after all, business is just business—no matter what is your business.

[illegible]

Lord & Burnham Co.

SALES OFFICES:

NEW YORK
42nd Street Building

BOSTON
Tremont Building
TORONTO, CANADA.

PHILADELPHIA
Franklin Bank Building
2 Queen Street, East

CHICAGO
Rookery Building
FACTORIES: Irving

ROCHESTER
Granite Building
Y. Des Plaines, Ill

CLEVELAND
Swetland Buildings

Vol. XXI
No. 4
JAN. 23
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HORTICULTURE



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NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil." -*Lope*.

Bedding Begonias

To have good sized plants by planting out time begonia seed should be sown now. Sow in pans, using some rough soil on the bottom, and then filling up with a compost of finely sifted loam, leaf mold and sand. Stand them in a temperature of 60 to 65 degrees and shade from direct sunlight. In about a month or six weeks the seedlings will be ready to prick out into flats. In March they should be ready for 2-inch pots, using a mixture of soil, old manure, leaf mold and sand. At this stage they will be better in a temperature of from 55 to 60 degrees with a raise to 75 degrees with sunshine.

Calceolarias

Never attempt to hurry calceolarias along with too much heat, as they will not stand to be forced. Forty-five degrees at night will keep them in good health. Keep them moist at the roots, but never in a soaked condition, as extremes in either dry or over-wet are bad. Under no circumstances neglect ventilation. Take advantage of every good day and give some air. Give weekly fumigation against the green aphid. As the plants become pot-bound they will take some liquid manure once a week.

Care of Violets

As with most other plants brought under cultivation, the violet either has brought with it or has become subject to some serious fungous enemies. They should now be in good healthy condition and flowering freely. Give all the air the weather will permit and at the same time have on a little steam (this for mild weather) in order to keep the air dry. At all times keep the air pure and dry. For Marie Louise, Imperial and Single 38 to 40 degrees at night and 10 degrees to 12 degrees warmer during the day is about right. Should the house drop occasionally as low as 35 degrees, there is no harm in it; they really seem to be benefited. Fumigating must be regularly and carefully given. Smoking, not too heavy, two nights in succession each week will keep the plants clean of greenfly.

Next Week:—Care of Carnations; Early Asters; Euphorbia Jaquimaeflora; Geraniums; Sowing Candytuft and Stocks; Pansies, Myosotis, Pinks, Etc.

Fuchsias

It is time now to look after the stock plants of fuchsias. Fuchsias are looked upon by some as old-fashioned, but they are nevertheless popular with many and probably always will be. While we cannot make as manifold uses of them for bedding and exhibition purposes as in Europe, we can use them for flowering in pots, for planting out in partially shaded beds and for piazza boxes, where they do not get too much sun. Given a repotting now, the stock plants will produce a batch of succulent cuttings later on. They are easily rooted. Pot off into 2½ inch pots and later into 4 inch, using at the last potting moderately rich soil. Nice little plants in 4 inch pots, carrying a few flowers sell well in May and June and any country florist who grows a batch can easily dispose of them.

Gardenias

Those who would succeed with gardenias in winter must watch them carefully and keep as even a temperature as possible, particularly at night. A night temperature of 65 to 70 degrees just now is right for those which are blooming. A fairly moist atmosphere is indispensable, as is also a porous soil. Water should pass quickly through the benches when applied. If it does not, the conditions are wrong and yellow foliage and dropping buds are certainties. Be very careful when ventilating as they do not like cold drafts. Give a good syringing on all bright mornings. While there are occasional periods of glut even at this season of the year, prices as a rule hold up well and those who are able to make gardenias bloom freely during the coldest months will find them a paying crop. You can begin to feed with liquid manure water now as the days are becoming longer.

Red Spider

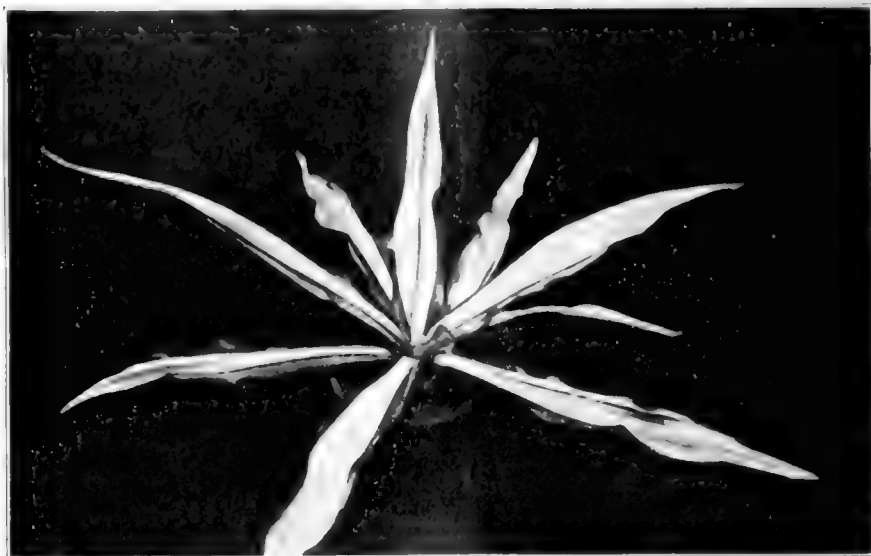
In all warm houses where we have to keep up a good deal of fire heat, we will surely be troubled with red spider. A good syringing on the under side of the foliage whenever we have a good bright day is essential. This will have reference to all such crops as carnations, sweet peas, antirrhinums, gardenias and many foliage plants. Keep right after this dreaded enemy with a good force of water at least once a week.

BOOM YOUR BUSINESS
by advertising your goods in the
Horticulture

Publicity among the kind of readers reached
by this paper is THE SORT OF PUBLICITY
THAT PAYS.

Furcraea Watsoniana

The Furcraea Watsoniana is a native of the low mountains of the Sierra Nevada. It is a very hardy plant, and is one of the few plants which will grow in the most sterile soil. It was introduced into this country by the late Mr. J. C. Watson, who won a gold medal at the International Exhibition in London. It is indeed a most beautiful plant, the pure white variegation is as clear as a bell. It was first shown at the Great Centennial Exhibition in 1893 by Sander & Son, where it was recognized as Furcraea Watsoniana. It is named after W. Watson of Kew Gardens.



FURCRAEA WATSONIANA.

Oenothera

Oenotheras or evening primroses have the distinction of being nearly all natives of our hemisphere. We know most of the upright bushy growing species to be very valuable border plants on account of the vivid yellow hues of their large clusters of flowers. In the northern part of the New England States I used the fruticosa varieties, such as Eldorado, Fraseri, Pilgrimi and, particularly the very popular Oenothera fruticosa Youngi for June effects. Blended with the blue of delphiniums and the white of the Madonna lilies the clear golden hues of solid masses of evening primroses outclass in purity and strength by far those of Coreopsis grandiflora. In order to obtain the desired perfection we should give our plantations an open sunny exposure, in a rather light but otherwise rich soil. In addition I advise dividing and replanting every other season. The ground remanured each time and, during the summer months, sufficiently irrigated, we are bound to have vigorous growing and freely branching plants of which we may expect that abundance of blossoms necessary for a strong color effect. Neglected evening primroses soon turn out to be an eye-sore in any garden.

Perfectly hardy, the fruticosa species attain an average height of $1\frac{1}{2}$ to 2 feet. As a recent novelty, originating with Henry A. Dreer, I mention Oenothera fruticosa pallida, producing very attractive flowers of a creamy white color. Later in growth about 1 to $1\frac{1}{2}$

feet in height are the two species Oenothera caespitosa with large pure white flowers turning to rose, and Oenothera speciosa, producing pure white blossoms throughout the entire season. Both prove excellent subjects for herbaceous borders. The flowers of the new variety—speciosa rosea, measuring about 3 inches across are of a delicate pink color.

In conclusion I beg to call special attention to the two species of creeping growth, treasured among our showiest inmates of rock gardens. Oenothera Harvadi from Nevada is distinguishable by its grayish white hirsute long narrow foliage and beautiful deep yellow flowers. Oenothera missouriensis depicted by our illustration enjoys the greatest popularity of all the evening primroses. It is the largest flowering species, of clear sulphur-yellow: in bloom from early in July until late in September. Both prefer the high sunny location and endure prolonged periods of draught without serious injury, for their rootstocks penetrate down deep into the ground. Contrary to the fruticosa and speciosa types they should be left undisturbed as long as possible.

On the whole, evening primroses merit more attention and garden space than they have so far received. Under proper cultural care they prove a highly effective material, indispensable for floral midsummer and late spring displays within the precincts of American gardens.

Glenide, Pa.

Richard Rothe

HORTICULTURE'S NEW HEADQUARTERS

On and after February 1st, the address of Horticulture Publishing Company will be 147 Summer Street, Boston. Convenient to Wholesale Flower Trade Centre.

ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur Ruzicka

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the Editor of HORTICULTURE.

Preventing Washing of Soils

Growers whose places are situated in a hilly country, will save money by not letting any portion of their grounds lie exposed to the weather during the winter months. There is a great loss of manure to have the soil bare and subject to the action of wind and rain which will waste the best portion of the soil, leaving nothing but the coarse grains behind it. This may not be visible the first year, but if it continues for a number of seasons, the soil will be robbed of much of its humus, as well as of its very fine particles, just such as are necessary to grow good stuff. It is waste to buy hundreds of dollars' worth of manure every year and then let it wash out of the soil every winter. If it has been impossible to sow some good cover crop such as rye or vetch, then go over the hills, and make ridges of coarse straw, manure or leaves or anything that can be made to stay put, and this will keep the water from washing out deep trenches all through the soil, and carrying the best portions of it down to some road or somebody else's lot. When the ground is not frozen, this danger will be very small, unless the hills are steep, but even then there will be loss of good plantfood, for the best portion of the soluble fertilizers will sink far down into the earth where it will be of little use to the plants. If the field had been covered with rye or grass the roots of these would hold the food particles together, and when the rye was turned under in the spring, these would be released and once more available to the following crop. The stalks of rye would decay, and add a lot of valuable organic matter, which most soils lack. We have yet to see a field where there was an oversupply of organic matter or humus.

The Dull Weather

After the cold snap that we have had we get a spell with the thermometer up to 40 outside, with heavy rains. This is a trying time for rose growers. Watering, feeding, and ventilation will have to receive the very best of care, for the roses are easily ruined in this weather, when a mistake is made in either of the three, and will receive such a set-back that it will take a lot of time for them to recover. Do not use any liquid manure unless the plants need it very badly, and be careful not to get the houses too warm. It is very seldom that the houses will get too dry, and yet this is possible where

the walks and benches and floors are all of concrete. Do not carry too much air, as this would be apt to descend directly on the plants, and give you trouble with mildew.

Leaky Houses

During these wind and rain storms it will be time well spent to go over the houses and mark the places where they leak very bad. If the houses are going to be painted and puttied the coming season, then this will not be necessary, but if this painting is not to be done for a while to come, then it will be good to mark these places as suggested and then putty, and even paint them in the summer. It will be time well spent, for these places will cause more damage than one can imagine at first thought. Blackspot will start here as a rule and then spread to the whole greenhouse if it is not stopped in time. Then, too, if care is not used in watering there will always be places where the plants will be too wet, and these will not produce as much as they should if they were growing under good conditions.

Tying

With the rush of propagation, this item in the growing end should never be neglected. This applies especially to American Beauties for these will feel the effects of this neglect much sooner than any other variety, and if they are allowed to lie around a good deal they will go blind. Spider is always very apt to make headway in houses that are allowed to go untied for any length of time, as syringing will be very difficult. Do not let them go too long and it will be rapid work to go over them once a week and tie them up. Houses that are kept tied all the time will produce far more flowers than houses that are allowed to grow as they best can. Bend all the tall Beauties down, and try to keep them in a nice line. This will give all the shoots the same show, and will make the house look nice and neat at the same time. Shoots that show buds will better be allowed to grow on. Cut out all sticks that remain on the wires, after the specials have been cut off. This applies to the ones that have been bent down and then flowered and were cut off at the wire. If these were cut in the proper place at cutting time, it would take too long to do it, thus wasting a lot of valuable time. Do not let these sticks stay on for that would hamper the plants from starting a new crop of shoots for flowers.

Horticulture Indispensable

Jan. 19, 1915.

Editor Horticulture:

Dear Sir—Enclosed please find \$1.00, my subscription to your valuable paper for another year. Cannot do without it.

Conn.

O. A. H.

Dear Horticulture:

We can't keep house without you, and you can't travel without money,

therefore I enclose money order to keep you coming for 1915.

Yours admiringly,

Iowa.

E. S.

January 8, 1915.

Horticulture Publishing Company, 11 Hamilton Place, Boston, Mass.:

Here is my dollar for the 1915 trip with HORTICULTURE. HORTICUL-

TURE is all right.

New York.

P. F.

Jan. 18, 1915.

Horticulture Pub. Co.

Dear Sirs—Enclosed please find one dollar for another year of the HORTICULTURE. My time is not up yet, but it won't be long. All I can say about your paper is that it is the best of its kind, and I read them all.

J. B.

R. I.

PUBLISHED WEEKLY BY
HORTICULTURE PUBLISHING CO.
 11 Hamilton Place, Boston, Mass.

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Rainbow chasing A correspondent of the "Horticultural Advertiser" (London) states that several firms at Aalsmeer, Holland, have taken the initiative of making trials of sending roses and forced lilac blooms to the United States, believing it quite possible to deliver cut flowers from Aalsmeer to the American markets. He further says "the Holland-America Line has evidently sanguine expectations respecting the export of cut flowers to America, as this company offered the representative of these firms a free first-class voyage." Evidently these European gentlemen have not read HORTICULTURE or else, in their desperation over their loss of European trade because of war, they have determined to take no heed of the information published from week to week which shows that the production of roses, forced lilac and many other things is more than keeping pace with the demand for these products in the United States. The proposition, impracticable as it is, will not tend to any increased American regard for the Holland growers who would ship plants to growers in this country and then seek to cut into their market for the cut flower product therefrom. Another grievance would be the fact that when nursery stock or other raw materials are imported from Holland it provides employment for American labor, but cut flowers are a finished product and pay nothing to American labor. The fact that the distance is too great to allow of the delivery of such goods in acceptable condition to compete with locally grown fresh material will hardly lessen the resentment that the attempt will arouse. Chasing a rainbow for the pot of gold at the end of it is as old as the human race and this fruitless quest of our Holland friends will undoubtedly have the inevitable ending which comes to all such visionary schemes.

TOMATOES UNDER GLASS.

Horticulture Pub. Co.:

Dear Sirs:—Will you kindly give me a little information regarding tomato culture under glass? I am using my old cold frame soil, which for two years previous has grown lettuce with good success. I heated this soil upon iron plates (to kill eel worm) which I wheeled to my benches, at the same time adding one double handful of fine ground bonedust to each barrow load of soil, thoroughly mixing same; after this I watered the soil to cause the bone-meal to decay.

I planted my tomatoes six weeks later from 5-inch pots; the plants stand 21 inches and 24 inches in the open bench. Six weeks later I gave a dressing of air-slacked lime and worked this into the top inch of soil. I stirred my top soil slightly to keep the green down. All soil here naturally is in part decayed pine needle, and it is hard to get soil free from it. I keep my houses as near as possible 70 degrees by day and 55 to 60 degrees at night. The only ventilation is through the top; no side ventilation whatever, except through the doors on warm days.

The result is in brief: The tomatoes are Beauty (Livingstone), Redfield Beauty, Plum, Red Peach, Wonder of Italy, etc. The first bunch of fruit does well, and ripen in four months. The second and third bunch grew to about half size, then stopped swelling and look as though they have done all they are going to do. The bloom of the fourth bunch dropped entirely.

I have a little "sleepy disease," but I am free from yellow spot with my plants. Can you give me any remedy? Am after giving them two light dressings of phosphoric acid. Kindly oblige a subscriber. W. V. Georgia.

In answer to W. V.'s inquiry in regard to tomato trouble, from details given, I should say two things were responsible. In the first place the compost used appears to be satisfactory so far, but does not contain sufficient food to carry the plants along. When cropping tomatoes will stand quite heavy feeding if the compost of the soil is right. Soil used for two crops of lettuce will have lost some of the necessary food required by the tomatoes. A good compost for tomatoes should be fresh soil with the addition of one half pound each of superphosphate and wood ashes with a dusting of bone meal. The bone meal alone would have the tendency to create a leafy unfruitful growth. The plants should be planted fairly firm to encourage a fine root system and when established in this compost and fruit set they will take regular feeding with liquid manure or weak application of nitrate of soda 1 oz. to the square yard.

Secondly the tomatoes will not thrive unless supplied with plenty of air and light. It is rather difficult to give tomatoes a circulation of air without bottom ventilation. A chink of air on the bottom and top of the house with a warm pipe will create a buoyant dry atmosphere most suitable for tomatoes' developing and setting. The temperature stated by W. V. should be all right if other matters are attended to

J. W. SMITH,

Ridgefield, Conn.

In our editorial note last week regarding the influence of environment on seed qualities a slip of the pen made us say "five or six months" instead of "five or six weeks" as to the time required for the germination of buttercup seed.

CAMPANULA PYRAMIDALIS.

The accompanying picture gives a very inadequate impression of the beauty of this stately plant, which in tints of deep or pale blue and pure white adds so rich and dignified effect and delicious perfume to the halls and balconies of the summer estates that abound in the mountains and along the North Atlantic Coast. Six or eight feet of inflorescence is not



CAMPANULA PYRAMIDALIS

uncommon and if the plants are enclosed and screened so that the bees will not fertilize the flowers and seeds will not form they will keep flowering over the entire length of the raceme for a remarkable period of time.

The plant shown was grown and photographed by William McLeod, Southampton, N. Y.

PROPAGATING CHRYSANTHEMUMS.

Dear Sir: Will you please answer the following question in your next issue?

When is the best time to strike chrysanthemum cuttings, and will they do in part of carnation house or rose house after they are rooted? What treatment do they require? Is it best to put glass over them? W. Connecticut.

The best time to strike chrysanthemum cuttings is generally about the middle of March. The early varieties might safely be started March 1, mid-season and late varieties rooted later on in the month and even in April, depending upon whether they are to be grown several to the stem or single. The former should be struck earlier. After they are rooted the cuttings will do very well in carnation temperature; but not in the rose house, as doing so would make them too soft. Do not put glass over them, as they are liable to damp off when thus shut in.

PLANT FOR NAME.

The specimen sent to this office for identification by "A. J. M." Tarrytown, N. Y., appears to be *Santolina Chamaecyparissus*. But for proper identification of any plant something more than the tip of a twig should be sent—also information as to flower, habit of growth, etc., all of which A. J. M. neglected to send.

THE ARRANGEMENT OF FLOWER SHOWS.

Editor of HORTICULTURE:

My Dear Sir—Your article or editorial in the issue of HORTICULTURE for December 26, on more decorative features for our flower shows interests me not a little.

It occurs to me to write you of a small episode of my own recent experience. For the Daffodil Year Book of the Royal Horticultural Society I had occasion to write this past year an article on "The Daffodil in America." In the course of this I described the daffodil show of the Garden Club of Michigan and spoke with enthusiasm of the beautiful exhibits in the class which called for arrangements of daffodils with two other flowers. Rev. W. Wilks, the Secretary of The Royal Horticultural Society in his preface to the Year Book said: "Some of our correspondents must pardon us if we ask that in future such accounts should only contain matter connected with Daffodils and not with other Spring-flowering plants."

When the Year Book received its review in The Gardener's Chronicle (London) of November 7th, this passage appeared: "Is it too much to hope that we may some day see the baskets and artistically arranged vases and tables referred to by Mrs. Francis King in her account of the Daffodil in America finding a place in the Westminster schedule."

I venture to add this bit of conflicting opinion to the discussion in your columns which is full of interest to all who hope to see our flower shows increase in beauty and effectiveness. How the shows at The Grand Central Palace are planned I do not know, but the advice of the best landscape architect in the country would be none too good for such an occasion as this. I mean, of course, on the general arrangement of exhibits,—the floor as a whole.

Very truly yours,

LOUISA KING.

Alma, Mich.

GRAFTING ORANGE TREES.

Editor HORTICULTURE:

I am a subscriber to HORTICULTURE and I write to ask for information through your paper on the grafting of orange trees. How and when is the best time to do it under glass and what are the best grafts to use? Should older ripened wood or softer growing wood be used for the grafts?

Yours truly,

C. H. T.

Oranges under glass can be grafted any time from December to May. The best wood is half ripe material, side or cleft graft or budding. If the tree is old, shorten the long branches and graft as near to the base of stem as possible or on the old stem if not too coarse. As soon as grafted, keep in close frame or under glass for two or three weeks, occasionally looking to see that there is not too much moisture. As soon as the bud or graft begins to grow, slacken the binding, but do not take off the tying material until the graft is well established. After about three weeks, it ought to be able to stand in the green house, but not in too airy a position at first.

JACKSON, D.C.

Jamaica Plain, Mass.

CLUBS AND SOCIETIES

AMERICAN CARNATION SOCIETY.

Meeting at the home of Mrs. J. H. Hill, 114 North Dearborn street, Chicago, Ill., on Thursday, January 28th. The program consisted of the President's address, secretary's report, treasurer's report, and roll's report; followed by a discussion of carnations for others.

Discussion. The relative merits of cutting carnations from the stems, and those taken from the short blooming shoots, or those taken from cuttings, were discussed. Peter F. Smith, of the Chicago Horticultural Society, and J. H. Hill, of the Chicago Horticultural Society, and A. M. Herr, of the Chicago Horticultural Society, were present.

Report of Judges.

Thursday, January 28th.

9:30 A. M.—Calling to order; deferred reports; deferred business; selection of meeting place; discussion of President's address and Secretary's report; new business; appointment of committees; election of officers; question box; adjournment.

Chicago to Buffalo.

Amended Notice.

The transportation committee of the Chicago Florists' Club has selected the Lake Shore & Michigan Southern Railroad for the trip to Buffalo, N. Y., on the occasion of the annual convention and exhibition of the American Carnation Society, to be held at the Iroquois Hotel, January 27-28, taking the Lake Shore Ltd., leaving the LaSalle street station, Van Buren street, January 26, at 5:30 P. M., due in Buffalo the morning of January 27 at 6:45 A. M., central time, 7:45 A. M., eastern time. The regular one-way individual rate is \$13.10. There is a party rate for 10 or more people traveling together on the same ticket of \$10.50. Pullman rates are as follows:—Lovers, \$3; upper, \$2.40; drawing rooms, \$11.

For reservations on this train address or call up G. K. Thompson, 100 South Clark street, Chicago. Telephone Randolph 5399.

M. PARKER

For the Transportation Committee.

LENOX HORTICULTURAL SOCIETY

The monthly meeting of this Society was held on Jan. 13. The schedule for the summer show, July 27 and 28 was adopted. The following special prizes for the fall exhibition have been donated. By W. S. Griswold, Lenox, a silver cup for the best collection of eighteen varieties of vegetables. By R. & J. Farquhar & Co., Boston, silver cup for the best collection of twelve varieties of vegetables.

An interesting lecture was then given by Dr. N. W. Sanborn, representing the State Board of Agriculture on "My Way With Poultry." A unanimous vote of thanks was given to Dr. Sanborn who appropriately replied.

JOHN CARMAN, Assist. Sec'y.

HOLYOKE AND NORTHAMPTON FLORISTS' AND GARDENERS' CLUB.

The monthly meeting of the Holyoke and Northampton Florists' and Gardeners' Club was held in Amherst, Mass., at the home of that veteran gardener, Thos. Foulds, on the evening of January 12. It was decided by the members of this club to hold their monthly meetings at each other's places of business or to choose one, owing to age and failing health Mr. Foulds has not been able to attend any of the meetings for the past year, so it was decided to hold the January meeting at his home. His gentlemanly character and kindly disposition, has won the love of all the members, while his broad acquaintance and love of plants, together with his helpful talks, has been an inspiration.



THOMAS FOULDS

E. H. Downer of the Smith College botanic gardens gave an excellent paper on herbaceous perennials which caused much discussion. G. H. Sinclair exhibited fine blooms of the new carnations from his new Smith's Ferry greenhouse and was awarded a first-class certificate. Mr. Carey of South Hadley also showed carnations and was awarded a certificate.

Some fifteen members were present, and five new candidates were elected to membership. Mrs. Foulds provided refreshments and it was one of the most enjoyable evenings the club has had.

E. J. C.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

Department of Plant Registration.

Public notice is hereby given that as no objections have been filed, the registration of "Asparagus Hybrida Gracilis" by F. W. Fletcher, Auburn-dale, Mass., becomes complete.

LEON V. N. S. A.

Jan. 16, 1915.

PITTSBURGH FLORISTS' AND GARDENERS' CLUB.

The regular club meeting was held in the Fort Pitt Hotel on the evening

January 5. Nomination of officers for the year 1915 was in order, and the present board of officers was renominated without any change, viz.:

President, Neil McCallum; vice-president, E. C. Reineman; treasurer, T. P. Langhans; secretary, H. P. Joslin; asst. secretary, W. A. Clarke. Executive Committee: P. S. Randolph, C. H. Sample, A. Frishkorn.

Geo. Cruickshank, representative of R. & J. Farquhar Co., Boston, showed a blooming plant of *Azalea Kaempferi* with lively pink blossoms, smaller than those of the Ghent azaleas. It was claimed for it that it was perfectly hardy out of doors and a good forcer. Jno. W. Jones, of the Bureau of Parks, showed *Buddleia asiatica* in bloom, and Carl Becherer, gardener Dixmont Hospital, two blooming plants of *Primula malacoides*. Jno. Zimmerman showed an air plant, one of the *Tillandsias* found growing on the branch of a tree near Tampa Fla.

The subject of the meeting was "Artificial Flowers," and there were fine displays by the Botanical Decorating Co. of Chicago and by the E. J. McCallum Co. of Pittsburgh. The quality of the work was high, and at a short distance it was impossible to tell which was artificial and which was real. This was particularly noticeable in the English ivy, orchids, ferns, wistaria, cyclamen and gloxinias.

There was quite a discussion upon the merits and uses of artificial flowers, and it seemed to be conceded that in decoration, as for example around the ceilings of heated rooms, chandeliers, or any position where flowers will be subjected to much heat, artificial flowers have a necessary place, but it was thought to be against the interests of florists to press them for corsage bouquets. It was stated also that fern dishes with natural ferns would give more satisfaction to the owner than if filled with artificial ferns, the element of loving care and attention entering into the matter in the case of the natural ferns.

A vote of thanks was tendered the exhibitors.

H. P. JOSLIN, Sec'y

AMERICAN SWEET PEA SOCIETY.

The following additional prizes have been received:—

- Class A 10. The Thornburn Prize, a silver cup for the best 12 vases, 1" Spencer varieties, 25 blooms to a vase.
- Class F-6 The Lord & Barnham Co. prize, florist growers only, a gold watch, for the best display of sweet peas.
- Class B-9 Watkins & Simpson prize, 6 dollars first prize, for six vases Spencer six varieties, 25 flowers to a vase.

The preliminary schedule is now ready for distribution and can be had on application.

HARRY A. BUNYARD, Sec'y,
342 West 14th St.,
New York, N. Y.

ST. LOUIS FLORIST CLUB.

The Florist Club held a most interesting monthly meeting Thursday afternoon January 14th, 35 members were present, including all the officers. There was an exhibition of roses. A fine vase of Hoosier Beauty from the E. G. Hill Co., attracted a great deal of attention, also a fine lot of Ophelia sent by Ammann Co., Edwardsville, Ill. The reports brought in by the Spring Flower Show committee did not give encouragement for holding the show and it was decided to drop it for this season. The trustees reported on the club's entertainment and dance which takes place Jan. 27 at Westminster Hall. Tickets are selling well and all indications point to a successful affair.

It was decided after a discussion to extend an invitation to the American Carnation Society to hold its 1916 meeting in St. Louis. The club is backed up in this by the local convention and publicity bureau and a member of the club has been delegated to attend the meeting at Buffalo next week and extend an invitation in person.

H. C. Irish of the State Board of Horticulture, reported as to a State appropriation to advance floriculture and state exhibition this report was followed by J. F. Ammann, who told the members how the Illinois State Florists' Association was organized and how it obtained its appropriation from the state. After a lengthy discussion it was voted that the club secretary write to the Kansas City Florists' Club as to the advisability of organizing a Missouri State Florists' Association and have the matter up for discussion at the February meeting. The committee reported on the new rose Hoosier Beauty as follows: "We, the committee, believe that the red rose Hoosier Beauty exhibited by E. G. Hill Co. is an improvement over any red rose in commerce."

The question box brought out a good discussion, after which the meeting adjourned.

WESTERN NEW YORK HORTICULTURAL SOCIETY.

The indications are that the sixtieth anniversary of this time-honored organization will be one of the most successful it has ever had. Entries in the competitive fruit exhibit classes, together with the non-competitive exhibits, will severely tax the space available in the exhibition annex of the great Convention Hall, Rochester, N. Y. The dates of the meeting are January 27th, 28th and 29th, and the program is a model in its galaxy of speakers—practical growers and experiment station men—as also in its popular round table schedules for discussion on small fruits and vegetables. Three exhibition rooms, 100x128 feet each, will be filled with spraying apparatus in motion, tractors, apple graders, spray chemicals, and the large insect and fungous diseases displays of the Geneva Experiment Station and Cornell. Then, on Thursday evening, Jan. 28th, the evening of the second day's meeting, members and their friends are invited to an entertainment of great excellence, which will consist of an opening concert by Rochester's favorite made quartette, followed by an illustrated lecture on Italy, by a

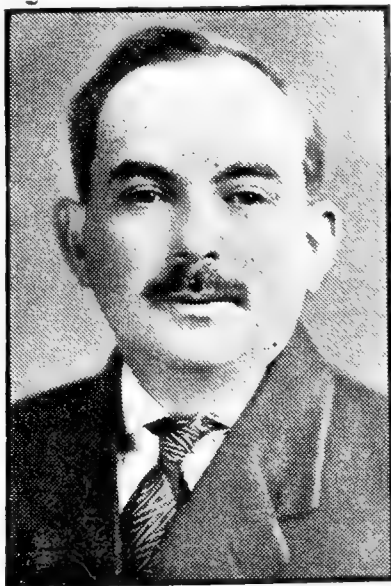
noted Continental traveler living in Rochester. Programs may be secured from and membership fees sent to John Hall, Secretary-Treasurer, 204 Granite Building, Rochester, N. Y.

CONNECTICUT HORTICULTURAL SOCIETY.

The regular fortnightly meeting of this society was held in the County Building, Hartford, Friday evening, January 8. President Mason announced the following committees:

Executive—John F. Huss, G. H. Hollister, W. W. Hunt, Oscar F. Gritzmacher, C. H. Sierman. Publicity—James M. Adams, Edward Brassill, Alfred Dixon.

President Mason exhibited a fine



PRESIDENT MASON

collection of camellias, *Chorizema illicifolia* and *Clerodendron Balfourii* from the conservatories of Mrs. A. A. Pope of Farmington. Alex Cumming, Jr., of A. N. Pierson, Cromwell, staged *Buddleia asiatica*. A cultural certificate was awarded to each exhibit.

President Mason's proposition of a spring flower show was endorsed with much enthusiasm. Same will be given the last of May or early in June.

ALFRED DIXON, Sec'y.

Wethersfield, Conn.

CLUB AND SOCIETY NOTES.

The Gardeners' and Florists' Club, of Baltimore, will have a Ladies' Night on January 25.

The following named committee was appointed at Farmers' Week, in New Brunswick, N. J., to arrange a meeting for the formation of a State association of nurserymen: L. C. Bobbink of Bobbink & Atkins, Rutherford; Mr. Flemer of the F. and F. Nurseries, Springfield; J. L. Lovett of the Monmouth Nurseries, Little Silver.

A Dutch garden will be an important feature of Worcester County Horticultural Society's spring exhibit of flowers and plants which will be held March 4 and 5 in Horticultural Hall, Worcester, Mass. Judging from plans outlined for the Dutch Garden and its setting, the spring show will be one of

the most elaborate of any ever given by the society.

The Sixtieth Annual Meeting of the Western New York Horticultural Society will be held at Convention Hall, Rochester, on January 27, 28 and 29. The program of the sessions and the prizes for the fruit exhibits, neatly bound, has been sent out by Secretary John Hall and copies may be had from him on request. His address is 204 Granite Building, Rochester, N. Y.

Since the organization of the American Gladiolus Society, the annual show have been held in conjunction with the conventions of the Society of American Florists and Ornamental Horticulturists. As the convention this year will be held at San Francisco and this is too great a distance from the majority of growers, it has been deemed best to hold our annual show at Newport, R. I., on August 18 and 19, upon invitation of the local Society.

H. YUELL, Sec'y,

Syracuse, N. Y.

The first meeting of the New London (Conn.) Horticultural Society for 1915 was held on the 14th inst. when Edward A. Smith gave an interesting paper on "The Culture of Carnations." The tables were filled with *Primula malacoides*, freesias and carnations White Wonder, Matchless, Enchantress Supreme, Gloriosa, Princess Dagmar, Benora, Mrs. C. W. Barron, Northport and several others. The February meeting will be Ladies' Night when the lady members will take entire charge.

H. E. L.

Charles F. Tansill of the Department of Agriculture, has been elected president of the Brookland Rose Society of Washington, D. C., the other officers being Dr. William Turner, vice president; Mrs. Margaret B. Downing, secretary, and Miss Carrie Harrison, secretary. The society adopted a resolution by which it will become affiliated with the American Rose Society. The next meeting will be held on February 20, at which time F. L. Mulford, of the Department of Agriculture, who is in charge of the government rose garden at Arlington, Va., will give a talk on "The Pruning of the Rose." There was a large attendance and many plans were laid for the coming year.

The Indiana State Florists' Association held its annual meeting in Indianapolis, on Tuesday, January 12. There was a very interesting exhibition among which were some superb vases of roses and carnations from F. R. Pierson Co., Tarrytown, N. Y.; W. Frank & Sons, Portland, Ind.; Baur & Steinkamp, F. Dorner & Sons' Co., Pennock-Meehan Co., Philadelphia; Berterman Bros. and others. A vase of E. H. Wilson's beautiful and fragrant Chinese introduction *Buddleia asiatica* was much admired. There was a banquet on the evening. Officers were elected as follows: President, J. B. Vesey, Ft. Wayne, Ind.; first vice-pres., John Hartje, Indianapolis; second vice-pres., J. B. Vesey, Ft. Wayne; treasurer, Homer Wiegand; secretary, Oliver E. Steinkamp, Indianapolis.

During Recess

Bowling in Chicago.

The Cook County Florists' Association January 12-13, 14, 15, consists of four teams which have obtained its regular schedule. The following following the Holiday cessation the score was as follows:

CARNATIONS			
Joe L. Henschel	1st	2nd	3rd
H. P. Henschel	168	128	
A. Zech	199	205	
A. Zech	198	171	

RUSSELLS			
J. Vogel	1st	2nd	3rd
J. Jacobs	170	145	
J. Jacobs	174	188	181
J. Rasch	170	170	123

SINBURSES			
J. Henschel	1st	2nd	3rd
F. Henschel	188	181	180
F. Henschel	199	167	202
P. Olson	170	200	201

ORCHIDS			
Kocher	1st	2nd	3rd
Gerling	174	152	128
Gerling	181	175	119
W. Lorman	201	221	179

A game was played Friday evening, January 15, between the Chicago league and a team made up largely of florists, at Melrose Park. Two games were played last year, each side winning a game, making this year's contest more exciting. Chicago won the game Friday as per the following score:

MELROSE PARK			
Schnitt	1st	2nd	3rd
Bennett	199	154	191
Anding	154	156	154
Anding	118	170	131
Guethner	174	178	183
Hagen	181	181	203

CHICAGO FLORISTS			
Huebner	1st	2nd	3rd
Lormann	205	130	139
Zech	158	167	178
Zech	168	188	167
Priebe	162	200	193
Olson	220	180	190

A return game will be arranged in the near future. The Chicago boys will play against the Joliet florists on Sunday, January 24th.

The Tarrytown Dinner.

The Tarrytown dinner of which brief mention was made in our previous issue, was without a doubt the best held under the auspices of the Tarrytown Horticultural Society. The dining room never looked more beautiful. The tables were profusely decorated with the choicest flowers and when the members and guests had taken their places, there was not a vacant chair. Secretary Neubrand asked the Rev. James J. Henry to ask the blessing and then one verse of "America" was sung while all were standing.

William Jamieson, president of the society, welcomed the guests and then called upon Frank R. Pierson. Mr. Pierson extended a welcome on behalf of the village to all present and he then commended the society for the excellence of all its affairs, exhibitions and dinners. Mr. Pierson then read letters of regret from Assemblyman Walter W. Law, Jr., The Monmouth Society, W. J. Stewart of Boston, and R. A. Patteson, A. P. Cobb, and J. Austin Shaw, the latter sending also a "poem." John F. Dunkel officiated as toastmaster. Among the speakers were the following named gentlemen: Rev. J. J. Henry, Senator Chas. P. McClelland, Judge A. S. Thompson

the silver-tongued orator and humorist of Nyack, Hon. Frank L. Young (on "hard times"), C. E. Tibbitts, J. Sperry, J. J. Sinnott, C. D. Millard and Wallace Odell and others. E. E. Carman sang several fine solos.

Peter Henderson & Co. Employees' Jubilation.

The annual dinner of the staff of Peter Henderson & Co., of New York, was held on Thursday evening, January 14, at Mouquin's French restaurant, Fulton street. An excellent menu was prepared under the supervision of Louis Mouquin and was enjoyed by all those present.

After dinner the company was entertained by a series of humorous and sentimental songs by the well-known vocalist, Guy Hunter of Hackensack, N. J., who it is needless to say kept them in roars of laughter by his humor. The songs were interspersed with speeches by Mr. O'Mara, general manager, and representatives of the various departments. Mr. O'Mara's speech was very optimistic as to business prospects for the coming season. Speeches were also made by Messrs. Cole, de Arcas, Fay, Littlefield Low, Mackrell, McDougall, Morton, Peck, Smith and Veitch. The menu card and program, designed and written by T. L. Peck of the catalogue department, was an artistic gem.

Portland Festivities.

A party of florists from Portland and vicinity enjoyed a dinner and entertainment at the Wayland house, Dunstan, Me., last Thursday evening, and it proved a most delightful gathering. Among those in the party were:

Mr. and Mrs. Hannigan of Saco, Mr. and Mrs. Charles S. Strout of Biddeford, Mr. and Mrs. Harry Libby of Biddeford, Mr. and Mrs. Alexander Skillin of Falmouth, Miss Wiegman, Miss Hersey, Mr. Harrington, Miss Marsh, Miss Marion E. McGinnigle, Mr. and Mrs. Mahoney of Saco, Mr. and Mrs. Leonard, Mr. and Mrs. Fred E. Smith of Gorham, Mr. and Mrs. Perez B. Burr of Freeport, Mr. Goldthwaite of Freeport, Miss Blanche Newcomb, Mrs. Orland Smith, Miss Bertha F. Lougee, Urban Carter, Miss Elsie Jacobs, Miss Alice Hersey, Mrs. Cora N. Dennett, Mrs. Liberty B. Dennett, Mrs. McBride, Mrs. Meloon, Mr. and Mrs. Conant.

Following the dinner there were solos by Miss Marsh and readings by Mrs. Skillin, and then the party danced the Virginia Reel and other old-fashioned dances.

The ninth annual dinner of the Nassau County (N. Y.) Horticultural Society will be held at the Oriental Hotel, Glen Cove, on Monday evening, January 25, at 6 P. M. A jovial time is promised.

The Brooklyn Botanic Garden has published a lengthy list of seeds collected during the year 1914 and which are offered in exchange. Anyone interested should write to Curator of Plants, Brooklyn Botanic Garden, Brooklyn, N. Y. Applications for seeds should be made not later than March 1, 1915.

Hammonton, N. J.,

13 Jan., 1915.

Gentlemen: Please cancel my Chrysanthemum Stock Plant adv. Stock all sold.

H. J. ROLFE.

COMING EVENTS.

Shows.

Buffalo, N. Y., Jan. 27-28. Annual show and meeting of American Carnation Society. A. F. J. Baur, Indianapolis, Ind.

New York, N. Y., March 17-23.—International Flower Show, Grand Central Palace under auspices Horticultural Society of New York and New York Florists' Club.

Boston, Mass., March 18-21.—Annual exhibition and meeting of American Rose Society. Benjamin Hammond, Beacon, N. Y., Sec.

Newport, R. I., July 8-9.—Annual exhibition and meeting of American Sweet Pea Society in conjunction with Newport Garden Ass'n and Newport Hort. Soc.

Club Meetings.

Rhinebeck, N. Y., Jan. 23, 8 P. M.—Violet Growers' Mutual Association of Rhinebeck, N. Y., Odd Fellows' Hall.

Baltimore, Md., Jan. 25, 8 P. M.—Gardeners' and Florists' Club of Baltimore, Florists' Exchange Hall.

Toledo, O., Jan. 26. Toledo Florists' Club.

Manchester, Mass., Jan. 27.—Annual banquet of North Shore Horticultural Society. Wm. T. H. Magnolia, Mass.

St. Louis, Jan. 27. Entertainment and dance of St. Louis Florists' Club, Westminster Hall.

United States, Jan. 29.—McKinley Day.

Boston, Mass., Jan. 28, 8 P. M.—Gardeners' and Florists' Club of Boston, Horticultural Hall. Ladies' night and installation of officers.

VISITORS' REGISTER.

St. Louis, Mo.—Mr. and Mrs. Harry Bayersdorfer, Philadelphia, Pa.

Portland, Ore.—August Huertle-mann, Tower Floral Co., St. Louis, Mo.

Boston, Mass.—Paul Berkowitz, representing H. Bayersdorfer & Co., Philadelphia, Pa.

San Francisco—Robt. Newcomb, Vaughan's Seed Store, Chicago, Ill.; Mark Ebel, Sacramento, Cal.

Washington, D. C.—Charles E. Meehan, Phila., Pa.; W. F. Kasting, Buffalo, N. Y.; B. F. Dorrance, Dorranceton, Pa.

Cincinnati—Harry Bayersdorfer, Philadelphia, Pa.; Sam Seligman, New York; V. H. Morgan, representing Lord & Burnham Co., New York; Joseph Hill, Richmond, Ind. and W. F. Winters, Charleston, W. Va.

Chicago—Earl Mann, Richmond, Ind.; Mr. and Mrs. Harry Balsley, Detroit, Mich.; J. J. Karins, representing H. A. Dreer, Philadelphia; Mr. and Mrs. H. Bayersdorfer, Philadelphia; H. V. Hunkel, Milwaukee, Wis.

PERSONAL.

A. M. Dorgan, landscape architect, has opened an office in Toledo, Ohio, in the Nicholas building.

R. E. Ballantyne, of Canandaigua, has been appointed florist at the New York State Agricultural Experiment Station at Geneva.

Wm. E. Brett, of late, at Duke's Farm, Somerville, N. J., has resigned his position as fruit grower and taken a position with MacRorie-McLaren Co., at San Mateo, Cal.

PUBLICATIONS RECEIVED.

The Horticultural Directory and Year Book for 1915, Published by the "Journal of Horticulture" and "Poultry" Office, London, England. This useful publication is now in its 56th year. It gives late corrections and additions in the lists of gardeners and is otherwise revised from the edition of 1914.

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1915 EDITION

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Cultural Calendars for 1915 for the florist, the gardener and the nurseryman.

Special articles on productivity of Carnations by Jos. Hill; Hints on Greenhouse Construction and Heating; Starting into Business as a Grower, by Fritz Bahr; The Use of Cement by Florists; Business Suggestions for the Retailer by Irwin Bertermann; Common Points of the Law.

Notes, rules and recipes on destroying ants; scum on ponds, whitewash, fungicides, sizes of ribbons, measuring greenhouses, depth at which to plant bulbs, labels, how to clean glass, water-proofing boots, etc., etc., etc.

Tables and miscellaneous information; list of bulletins; rainfall maps; temperatures; selections for planters; addresses.

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THE FLORISTS' EXCHANGE, 6 DUANE ST., NEW YORK CITY**BRITISH HORTICULTURE.****Amongst the Chrysanthemums.**

The National Chrysanthemum Society's winter programme has been considerably curtailed, owing to the war. Its activities, however, are not entirely suspended. On Dec. 9th there was a small show held in London, followed by a useful conference. The Floral Committee granted first class certificates to Richmond, a bright yellow Japanese variety, raised by E. G. Hill, of Richmond, Indiana, and exhibited by Thos. Stevenson, of Addlestone; and Chestnut Beauty, chestnut red, shown by Norman Davis, of Framfield. At the conference, M. E. Mills read a paper on "The culture of the single chrysanthemum." T. Stevenson critically dealt with "Some of the best single chrysanthemums today, and some of the worst." He favored those with florets like Mensa. He thought it better to have too many than too few florets in a bloom. P. Cragg, gave some hints to future raisers of single chrysanthemums. He suggested the importance of endeavoring to lengthen the flowering period, and scent was a development towards which they might aim. As regards the ripening of the seed, he had obtained the best results by cutting the flower, and keeping it in water in a sunny room, changing the water frequently, and cutting the stem at the same time.

National Rose Society.

At the annual meeting held in London, on Dec. 10th, it was reported that notwithstanding the war the society continues to make steady progress. During the past year 695 new members had joined. Allowing for the

losses by death and resignation, the total number of members is now 6,257. Arrangements have been made for holding a Spring show at Horticultural Hall, Westminster, on April 16th. The Metropolitan exhibition will take place at the Royal Botanic Gardens, Regent's Park, on June 29th. The autumn show has been fixed to be held at Horticultural Hall, on Sept. 16th.

W. H. ADSETT.

FROSTED PLANTS.**What Not to Do and What to Do.**

A bright red slip bearing the following instructions is placed inside every box of plants shipped by R. Vincent, Jr. & Sons Co., during the cold weather. We reproduce it as being of interest to many of our readers and worthy of imitation by plant shippers generally.

Very often during the winter months plants are received in a frosted condition, owing to a sudden or unforeseen drop in the temperature or from the exposure to extreme cold while in transit, on station platform or in delivery wagon, condition over which the shipper has no control for it makes no difference how well the boxes may be lined with paper naturally the frost will penetrate in any object if exposed long enough.

When a shipment of plants is received in even a slight frosted condition, they should not under any circumstance be handled or unpacked, if so then disastrous effects must be expected.

Whereas if properly treated they can be saved almost without an exception. If when received the plants are frosted even to the soil being frozen, the boxes should be opened and the paper loosened, so that the air can penetrate and then the boxes placed in a cool cellar where the temperature is only slightly above the freezing point and let remain there for at least 24 hours or longer if necessary until the frost is thoroughly drawn out, and then unpack and put in a slightly warmer temperature for a few hours, then very little damage to the stock if any will result from the frost.

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David Harum, B., 5 ft., Red.....	2.50	20.00		Mrs. Kate Gray, 5 ft., Orange.....	3.00	20.00	
Director Holtze, 4 ft., Yellow or Spotted.....	2.00	15.00		Mrs. Woodrow Wilson, 4 ft., Rich Pink.....	6.00		
Dr. Nansen, 2 1/2 ft., Yellow or Spotted.....	2.00	15.00		New York, 5 ft., B. Red.....	4.00	30.00	
Duke of Marlboro, 4 ft., Red.....	2.00	15.00		Olympic, 5 ft., Red.....	25.00		
Eastern Beauty, B., 4 ft., Salmon.....	2.00	15.00		Ottawa, Improved, 4 ft., Rose color.....	25.00		
Edendale, B., 4 ft., Red.....	2.00	15.00		Panama, 3 ft., Red.....	25.00		
Elizabeth Hoss, 4 ft., Yellow Spotted.....	2.00	15.00		Patrie, 4 ft., Red.....	2.00	15.00	
Evolution, B., 4 ft., Pink.....	2.00	15.00		Pennsylvania, 6 ft., Red.....	2.50	20.00	
Express, 4 ft., Red.....	2.50			Philadelphia, 3 ft., Red.....	2.00	15.00	
Fire Bird, 4 ft., Red; Potted Plants, 500 each.....	4.00			Pillar of Fire, 6 to 7 ft., Red.....	2.50	20.00	
Florence Vaughan, 4 ft., Variegated.....	2.50	20.00		President Cleveland, 3 ft., Orange Scarlet.....	2.50	20.00	
Geo. Washington, 4 ft., Red.....	2.00	15.00		Queen Charlotte, 2 1/2 ft., Variegated.....	2.50	20.00	
Giant Crimson, 4 ft., Red.....	3.00	25.00		Richard Wallace, 4 ft., Yellow.....	5.00	40.00	
Gladstone, 4 ft., Red.....	5.00	40.00		Rosa Gigantea, 4 ft., Pink.....	10.00	90.00	
Gladstetter, 4 ft., Rosey Crimson.....	5.00	40.00		Sam Trelase, Imp., 3 1/2 ft., Red.....	25.00		
Golden Gate, 4 ft., Yellow, 500 each.....	1.00			Shenandoah, B., 4 ft., Pink.....	2.50	20.00	
Halley's Comet, 4 ft., Variegated.....	5.00	40.00		Triumph, 3 ft., Red.....	2.50	20.00	
Hawatha, B., 4 ft., Pink.....	1.00	30.00		Uncle Sam, 6 to 7 ft., Red.....	2.50	20.00	
Hungaria, 5 ft., Pink.....	5.00	40.00		Venus, 4 ft., Pink.....	3.00	20.00	
Indiana, 5 ft., Orange.....	3.00	25.00		Wabash, B., 4 ft., Pink.....	10.00	80.00	
Italia, 4 ft., Yellow.....	2.50	20.00		West Grove, 5 ft., Pink.....	2.00	15.00	
Jane Addams, 5 ft., Yellow, 500 each.....	1.00			Wm. Saunders, B., 4 ft., Red.....	5.00	40.00	
Jennie Walls Fahmine, 4 1/2 ft., Pink.....	4.00	25.00		Wintzer's Colossal, 5 to 6 ft., Red.....	2.25	20.00	
Juanita, 4 ft., Yellow.....	10.00			Wyoming, 7 ft., Orange; Purple foliage.....	2.00	15.00	

All prices are 1 O. B.
West Grove, Pa.

THE CONARD & JONES CO.
Swastika Brand Cannas
WEST GROVE, PA.

"B" — following varieties,
means bronze or purple
foliage.

POSSIBILITIES OF THE FENWAY.

B. Fenway, Boston, Mass., and Fenway, Boston, Mass.

The Back Bay Fens, for purposes of embellishment, possess, from environment, the grandest possibilities of any equal amount of acreage in our park system. The winding lagoons are picturesque and by a judicious decoration of their borders with plants that flourish near the water's edge, and water lilies floating on their surfaces, can be made the finest water gardens in this country. Take the tract that was given over for the display of plants by the Society of American Florists

last summer and which attracted so many people deeply interested in horticulture as an example of what may be done for this section of our parks. Boston has never had a rose garden, a section devoted in its entirety to the display of the queen of flowers, where climbing, standard and other varieties planted in groups and all correctly labeled would make a picture not easy to forget and might be considered as one of the features for the "sunken" garden now under consideration. Its banks can be planted with rhododendrons, kalmia, andromedas and azaleas and again with lilacs, hawthorns.

double flowering crabapple, peach or cherry. With a background of trees, further enhanced by the stately buildings of striking architecture already constructed, its splendid avenues of approach combine to make it ideal for an additional horticultural asset to Boston parks. The Forsyth Dental College, the Art Museum, the Simmons College, the Gardner palace and many other splendid types of buildings surround the Fens and instead of a waste, this land should be embellished in accord with those buildings and made the finest exhibit to be found in any park system in the world.

Dreer's Select Fancy-Leaved Caladiums Tuberous Rooted Begonias and Gloxinias

We feel fortunate that in spite of the disarranged condition of affairs in Belgium, we can offer the strain of Tuberous Rooted Begonias and Gloxinias that we have been supplying from the same expert grower for more than a quarter of a century, and without any advance in price.

YOU MAY BUY CHEAPER, BUT NOT BETTER STOCK

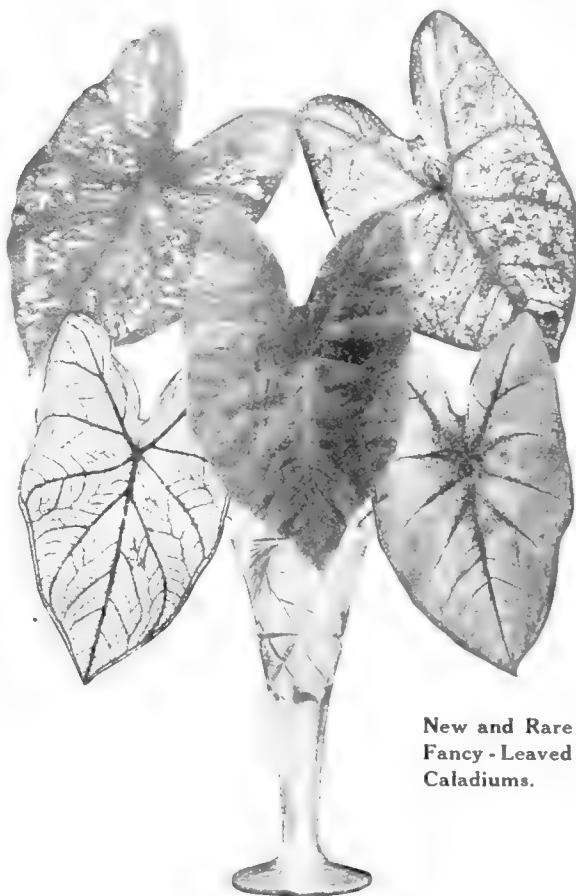
TUBEROUS ROOTED BEGONIAS.			
Single Varieties to Color. Scarlet, Crimson, White, Rose, Yellow, Orange.....	Doz.	100	1000
Single Varieties in Choicest Mixture.....	\$0.40	\$2.50	\$22.50
Double Varieties to Color. Scarlet, Rose, White, Yellow.....	.35	2.25	20.00
Double Varieties in Choicest Mixture.....	.60	4.50	40.00
Double Fringed Varieties, New. White, Scarlet and Rose.....	.50	4.00	35.00
Single Frilled Varieties. Scarlet, White Pink and Yellow.....	1.50	10.00	90.00
Begonia Zeppelin.....	.85	6.00	50.00
Begonia Lafayette.....	1.25	8.00	70.00
GLOXINIAS. Blue, Red, White, Blue with White Edge, Red with White Edge, or Finest Mixed.....	1.50	10.00	
Gloxinia, New Emperor Varieties. Hybrid Imperialis, Choicest Mixed.....	.60	3.50	30.00
FANCY-LEAVED CALADIUMS. An immense stock of the choicest varieties:	.85	6.00	50.00
Fine Standard Varieties.....	1.75	12.00	100.00
Rare and New Varieties.....	2.25	15.00	140.00
Rare and New Varieties.....	3.50	25.00	
Choice Mixed Varieties.....	1.50	10.00	90.00

The above prices are intended for the trade only.

For full line of Seasonable Plants, Bulbs, Seeds, etc., see our current Wholesale Price List

HENRY A. DREER

714-716 Chestnut St., Philadelphia, Pa.



New and Rare
Fancy-Leaved
Caladiums.

SAN FRANCISCO NOTES.

A. Winters, a florist of Richmond, Cal., has opened a branch shop at Pinole.

H. Plath has a large crop of tulips coming on at his nurseries in the Ocean View district, and will begin cutting in a week or two.

The MacRorie-McLaren Company has a large house of Phalaenopsis coming on, and expects to make a large cutting for the Easter trade.

The H. N. Sanborn Company, of Oakland and Berkeley, is rather working out of the nursery business, and specializing more on seeds, aside from its extensive retail business in cut flowers. The seed department is having a good run on sweet peas and pansies.

The Francis Floral Company, Sutter and Powell streets, conducted by F. Schlotzhauer, had its basement inundated a few days ago, when a Japanese automobilist skidded and broke off a fire plug in front of the store, and narrowly escaped going through the window.

The California Nursery Company at Niles has preparations for the coming season well under way, with a large force of men at work on improvements. This company recently shipped five carloads of Japanese palms, from 15 to 20 years old, to Los Angeles, where they will be planted along the principal streets. A great deal of stock of various kinds, including palms, oranges and oleanders, are being sent to the Exposition.

Ten carloads of rhododendrons, clipped conifers and bulbs, the third large shipment received at the World's Fair for the Netherlands Horticultural Commission, arrived January 19. This shipment completes the most important landscape gardening exhibit ever made by Holland outside of her own borders.

In the cargo were 600 conifers of more than a dozen species, 2,000 rhododendrons in variety, just ready to burst into bloom, and many unusual sorts of magnolias, holly, aucubas and smaller shrubs and bulbs. The exhibit will be transplanted this week into two acres of garden space, bordering the Palace of Horticulture

on the west and south, and reaching almost to the Baker street entrance. Many of the conifers and other evergreens—such as Buxus and Taxus baccata, six to eight feet tall, have been clipped and trained into weird shapes.

Sixty thousand tulips, hyacinths, narcissus, daffodils, etc., will be in bloom for the opening day, and a continuous succession of bulb and shrub bloom will be maintained throughout the Exposition period by means of successive planting. This will include 50,000 begonias. These gardens lie between those of Japan and of California, Massachusetts and other states. The entire Holland appropriation amounts to \$400,000.

ROSES--CARNATIONS

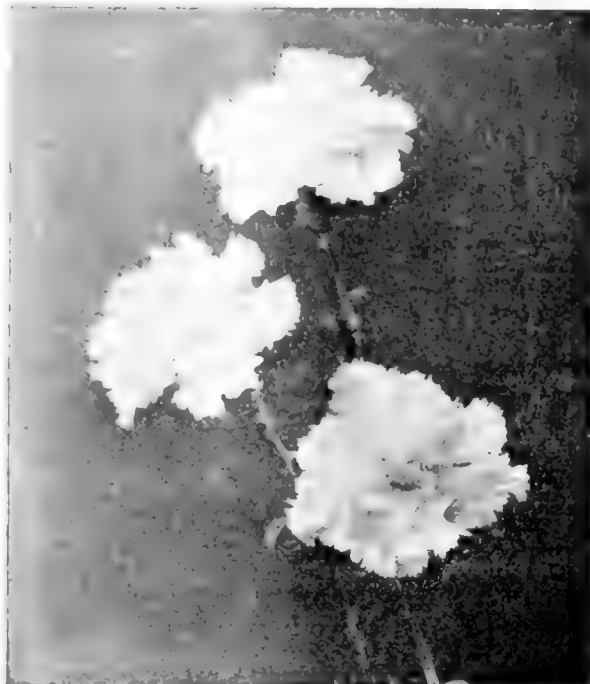
All the new and standard varieties. We are ready to deliver carnation cuttings now. *How about the new roses? Let us have your order before it is too late.*

Ophelia, Prince d'Arenberg, Francis Scott Key, and Killarney Brilliant. Everyone will grow them.

Tell us your wants and get our quotations before ordering.

S. J. REUTER & SON, Inc
WESTERLY, R. I.

NEW CARNATIONS



This is MATCHLESS, the New White Carnation

There are two new Carnations of last year's introduction that have proved money making varieties and which, for quality and quantity of bloom will satisfy the demands of any reasonable carnation grower. We have planted these varieties in large quantities and believe Matchless and Champion to be worthy of all the praise given them. We can offer either rooted cuttings or pot plants of these two exceptionally fine new Carnations.

A. N. PIERSON, Inc., CROMWELL, CONN.

Direct Importations FALL and SPRING SHIPMENTS

VALLEY FIRS, best Berlin and Hamburg grades
AZALEAS, PALMS, BAYS, ETC., from Belgium
BOXWOODS, ROSES, ETC., from Bonkoop, Holland
MAPLES, PLANES, ETC., from Oudenbusch, Holland
FRUIT AND ORNAMENTAL STOCKS from France
BEGONIA AND GLONINIA BULBS, December shipment
English Manetti, Japanese Lilies, Raffia, Kentia Seeds, Etc.

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Disposes of anything in the way of green goods at their sales at

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Try us out. Prompt returns

CALCEOLARIA HYBRIDS

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Extra Fancy, 5 inch pots

\$25.00 per 100

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ARAUCARIA EXCELSA

We have them by the thousand. New crop just arrived from Belgium, all started up, and right for sale now. Good value for your money. 5½ in. and 6 in. pots, 3, 4, 5 tiers, 40c., 50c., 60c., 75c., \$1.00, \$1.25, \$1.50. GLAUCA AND ROBUSTA COMPACTA. 6 in., 7 in. pots, \$1.00, \$1.25, \$1.50, \$2.00.

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Importer and Wholesale Dealer in Araucarias.

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As Spring Approaches

Let us talk to you about

HARDY PERENNIALS

The public are beginning to realize that no grounds are really gardenized without a big showing in Perennials. We have a big stock of all the best that grow and can stock you up at surprisingly low prices.

"Maximum Quality at Minimum Cost."

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SPARKILL, - - - N. Y.

THE FRAMINGHAM NURSERIES

200 ACRES,

TREES, SHRUBS,
EVERGREENS,
VINES, ROSES, ETC.



FINE STOCK OF

RHODODENDRONS,
KALMIAS AND
ANDROMEDAS.

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Price List

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HARDY NORTHERN GROWN NURSERY STOCK

WE GROW EVERYTHING FOR PLANTING THE HOME GROUNDS
A GENERAL ASSORTMENT OF

Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc., Etc

Our Illustrated and Descriptive Catalogue for the asking

THE BAY STATE NURSERIES,

North Abington, Mass.

BOBBINK & ATKINS

Nurserymen, Florists
and Planters

RUTHERFORD, NEW JERSEY

Nursery Stock

Fruit and Ornamental Trees, Shrubs,
Small Fruits, Clematis, Evergreens
and Roses.

Write for Trade List.

W. & T. SMITH COMPANY, Geneva, N. Y.

HOLLAND NURSERIES

BEST HARDY RHODODENDRONS,
AZALEAS, CONIFERS, CLEMATIS,
H. P. ROSES, SHRUBS, AND HERBACEOUS PLANTS.

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P. O. No. 1, Hoboken, N. J.

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Official organ of the American Association of Nurserymen. Circulation among the trade only. Published Monthly. Subscription price \$1.00 per year. Foreign subscriptions \$1.50 per year. In advance. Sample copy free upon application from those in the trade enclosing their business card.

National Nurseryman Pub. Co., Inc.

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ROSES, PALMS,

and Novelties in Decorative Plants.

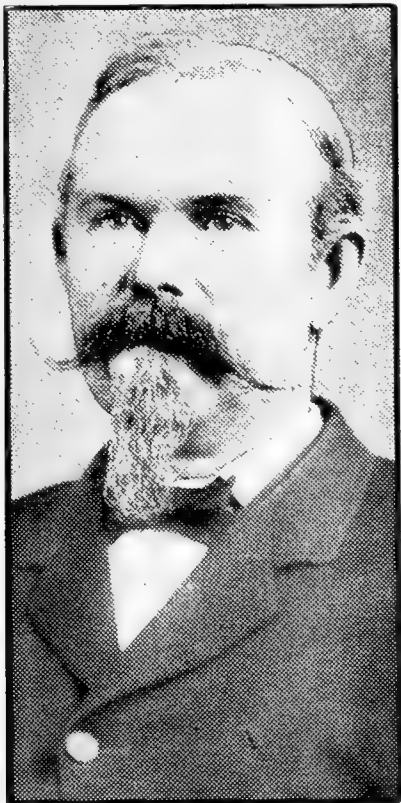
MARKET and 49th STREETS, PHILADELPHIA, PA.

Obituary

Michael Sweeney.

Michael Sweeney, a veteran florist, of Providence, R. I., died on Sunday, January 17, at his home in Edgewood. He was in his 71st year.

Mr. Sweeney was born in Leitrim, Ireland, June 3, 1844. When he was a boy he came to this country and settled in Providence. In 1873 he established a greenhouse at Broad and Pine streets and his business, which has since grown extensively, has been located there ever since. He occupied



Courtesy Providence Journal

MICHAEL SWEENEY.

the same business site for 42 years. In 1888, much against his inclination, he was nominated and elected to the city council from the sixth ward. He served three years and in 1891 at his own request he retired from active politics. He was a great home lover and spent most of his spare time there. Mr. Sweeney was highly respected in the trade for his sterling character and his unostentatious but free handed generosity. He served one term as president of the Florists' and Gardeners' Club of Rhode Island.

R. W. Allen.

Richard W. Allen a leading florist of Hudson, N. Y., for many years, died on January 10, aged 67 years after one week's illness. Mr. Allen was a na-

tive of Cornwall, England being the son of John Allen, gardener on the estate of Lord Falmouth. He came to New York in 1872. He was a member of the Albany Florists' Club, also of the S. A. F. for a number of years.

The Hudson Republican in its obituary notice of Mr. Allen's death paid high tribute to his memory in the following words:

"Mr. Allen possessed a mind and heart that awakened the strongest feelings of friendship in those who knew him well. He was generous to a fault and his generosity took on that fullness that only a broadminded man could possess. It was not so much what he did or gave; it was the hearty sincerity that entered into his doing and giving that made his help so valuable to the recipient. He will be mourned as an affectionate friend, charming companion and model citizen."

Wm. H. Nye.

William Henry Nye, who was for many years gardener on the T. J. Hill estate died at the Rhode Island Hospital, Providence, on January 10, aged 82 years.

NEW YORK NOTES.

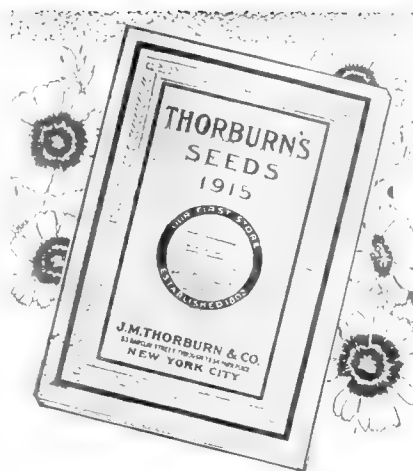
It is rumored that Roman J. Irwin, owing to increased business, will take larger quarters at 108 West 28th St.

President Harry A. Bunyard represented the New York Florists' Club at the Morristown, N. J. dinner held last Tuesday evening.

The Horticultural Society gave a small exhibition at the Museum of Natural History on Wednesday, January 20, from 1 to 5 P. M.

John Young is handling the entire output of cut Polypodium Mandaianum grown by W. A. Manda of South Orange, N. J., and reports that this splendid decorative plant is being taken up more freely by the prominent retailers who are now beginning to see what a wonderful thing it is for decorative purposes, its lasting qualities being so much in its favor. It is a question whether Mr. Manda will be long able to keep up the supply.

The Flower Show Committee will hold a meeting at the Grand Central Palace, Saturday next, the 23rd, at 2 P. M. Reports regarding this exhibition are more encouraging from day to day. The secretary reports additional orders for space in the trade section being received almost daily. The Horticultural Society, through Messrs. F. R. Newbold and T. A. Havemeyer, are working strenuously on their end of it and are to be congratulated on the good results they are obtaining and the interest they are arousing among the flower buying public. It is too bad that we have not more of these men who are interested in the advancement of floriculture. A. L. Miller and the Brooklyn committee are busily engaged raising cash for the purpose of advertising and exploiting "Brooklyn Day" which will be made one of the important days of the Flower Show. F. R. Pierson, chairman of the Flower Show Committee, is in New York almost daily in the interests of the coming exhibition and expects to do so until the close of the show. F. R. has a happy faculty of making the "fur fly" when he gets right down on the job.



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1915 Spring
Catalogue...

YOUR copy (with special prices to florists) is now waiting for you.

Our seeds and bulbs are of special value to those who grow for PROFIT.

We have been working since the days of Washington and Jefferson in the growing, gathering and distribution of the best seeds and bulbs.

We have learned a good deal about it, as you will see from the book.

It will be sent free with special prices to any florist who writes on his letter head or encloses his card. Drop us a postal today.

J. M. THORBURN & CO.

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NEW YORK



Native Plants and Trees
RHODODENDRON MAXIMUM
A SPECIALTY

WRITE FOR PRICE LIST

CHAS. G. CURTIS

GALLICOON, Sullivan County, NEW YORK

PHILADELPHIA NOTES.

Charles Burpee has received his catalogue for 1915. His headquarters are in Lancaster, Pa., and he is temporarily located in the city. He has several new propositions under consideration but not offered as yet. Letters addressed to him in care of any of the commission houses will reach him.

Professor Stewardson Brown, of East Penn street, Germantown Academy of Natural Sciences, will leave the latter part of January on a botanical expedition to Porto Rico, with Professor Nathaniel L. Britton, director-in-chief of the New York Botanical Gardens. They will be gone two months.

To stimulate the interest of their poultry customers and to attract people to their store at a time of the year when the average person does not think of entering a seed store, the progressive house of Michell's, on January 12th, held their Sixth Annual Poultry Show at 518 Market street. There were over 1000 entries and nearly every specimen of fowl in this part of the country and across the water were shown. From the time the exhibition opened, January 12th, until the doors were closed on the 14th, the lower floor of the building, which is given over to the exhibit, was thronged with interested onlookers, nearly 10,000 people visiting the show in the three days. Twenty silver cups, blue, red, yellow and special white ribbons were awarded to the winners.

Mr. Burpee with his world wide acquaintance gets so many letters from every part of the universe—strictly personal—that they are bound to pile up on him. In our small way we go up against the same thing. By hook or by crook we get through our business correspondence; the rest can wait a little! Mr. Burpee's card is a clever idea. He calls in old Guttenberg, the printer; and his story is so well put it's worth repeating here:

Philadelphia, Jan. 15, 1915.
To Burpee, Correspondent, La Costa, Calif.
Believe me, I am not a "desk" and I am not a "book" correspondent to whom an apology is due. The fact is, I have seldom been so busy with personal work as this time, and I am sorry because of the change and changing conditions in Europe.

Under the circumstances quite a number of letters were laid aside for more careful consideration than could be given to them at the time received. Now it is impossible to answer all in detail as fully as intended, hence this explanation and apology which I trust you will kindly accept.

Any letters addressed to the firm during my absence will have the usual prompt attention.

With all good wishes for the New Year,
Sincerely yours,

W. A. BURPEE.

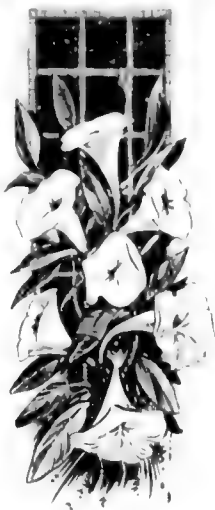
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If you have not examined the 1915 Carter Catalog—American Edition—write at once for your copy.

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*Carters
Tested Seeds*

CATALOGUES RECEIVED.

Henry Mette, Quedlinburg, Germany
— Trade Catalogue of Vegetable, Flower and Farm Seeds, 1914-15. The usual comprehensive and interesting wholesale list sent out by this well-known seed house.

C. Keur & Sons, Hillegom, Holland;
New York Branch, 8-10 Bridge St., New York City—We have received from this firm a handsome calendar, accompanied by a price list of gladiolus bulbs, over 100 of the main varieties.

James Vick's Sons, Rochester, N. Y.—Garden and Floral Guide; also Fruit and Ornamental Tree Book of the Landscape and Nursery Department. These annual visitors serve to remind us that "The Flower City" is still on the map and the old and trustworthy Vick's seeds are again ready to do their duty in making the gardens blossom. A trio of fine asters in colors adorns the first cover page of the Garden Guide.

W. Atlee Burpee & Co., Philadelphia, Pa.—Last week we made note of no less than three different Burpee catalogues. Now comes another—The Blue List, which differs from those of other colors in that it is devoted to "Wholesale Prices for Market Gardeners, Florists and Farmers' Clubs." It contains 150 pages of good stuff with nothing at all in it to make one "feel blue." The best proof of this statement is to send to Burpee for a copy and then look it through.

Leonard Seed Company, Chicago, Ill.
—Leonard's Seeds, 1915. This is a wholesale list, as this house does not solicit retail business. Leonard Seed Co. are also growers as well as dealers. They sell seed in bulk only and do not send out commission packages or box seeds. All of which should be a good passport to the consideration

and the patronage of the seed trade. This catalogue contains 114 pages, devoted to field, garden, vegetable and flower seeds and an exceptionally attractive, illustrated trade publication.

The value of foreign shipments of horticultural goods received at the port of New York during the week ending January 9, 1915 was as follows: Clover seed, \$73,395; Grass seed, \$6,629; Sugar beet seed, \$83,927; Trees and plants, \$32,798.

Michell's New Crop FLOWER SEEDS

ASPARAGUS.

Plumose Nanus, Northern Green-house Grown Seed. Per 1,000 seeds, \$3.50; \$15.50 per 5,000 seeds; 10,000 seeds, \$30.00.

Hatcheri, Per 500 seeds, \$3.25; \$6.00 per 1,000 seeds.

PHLOX DRUMMONDII (Dwarf).

	Tr. Pkt.	Oz.
Cecily, Large flowering; mixed colors	\$0.50	\$2.25
Crimson with Eye	.40	2.25
Deep Scarlet	.40	2.25
Fair Maid, Soft pink	.40	2.25
Fireball, Scarlet	.40	2.25
Pink	.40	2.25
Snowball	.40	2.00
Violet with Eye	.40	2.00
Choice Mixed	.40	1.25

SALVIA.

	Tr. Pkt.	Oz.
Bonfire	\$0.40	\$2.00
Ball of Fire	.50	2.50
Scarlet Glow (Michell)	.50	4.00
Zurich	.50	4.00
King of Carpets	.50	2.50
Splendens	.25	1.00

PETUNIA.

	Tr. Pkt.	Oz.
Michell's Monstrosus	\$1.00	
California Giants	.50	
Grandiflora Fringed	.50	
Dwarf Inimitable	.50	1.25

Also all other Seasonable Seeds and Supplies for the Florist.

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	100	1000
Blushing Bride -	\$0.75	\$6.00
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SWEET PEA SEED

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BET, CARROT, PARSNIP, RADISH and
 GARDEN PEA SEED in variety; also other
 items of the short crop of this past season,
 as well as a full line of Garden Seeds, will
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For Fall Planting or Forcing

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Winter Spencer Sweet Pea Seed

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SUPERIOR GLADIOLI

JOHN LEWIS CHILDS
 FLOWERFIELD, L. I., N. Y.

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J. BOLGIANO & SON

Wholesale Garden and Field Seeds,

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GROWERS OF PEDIGREE TOMATO SEEDS

BALTIMORE, MD.

THE BUGS ARE BUSY

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288 Sheets Paper.....			7.50
114 Sheets Paper.....			4.00

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NEW FLOWER STORES.

Sloux City, Ia. Olympic Candy Co.
San Pedro, Cal. The Harbor Floral Co.

Plymouth, Mass. Stevens' Flower Shop

Oak Lane, Philadelphia, Pa.—H. W. Garrett.

Middleport, N. Y.—Lee O. and Burt C. Smith, Jr.

Baltimore, Md. Paul La Charm, 913 N. Gay street.

Pawtucket, R. I. Miss Helen Kinsley, Whipple street.

Bridgeport, Conn. George Phlomm, 1177 Barnum avenue.

Springfield, Mo.—Stokes Floral Co., South and Walnut streets.

Johnstown, Pa.—George and Bruce Walker, Crystal Annex, Market street.

Pittsfield, Mass.—Engleman & Son, The Rosary, Waite Bldg., North street.

Elmira, N. Y.—Miss Lena Brookman and Thomas E. Curran, North Main, near Gray street.

NEWS NOTES.

Woodlawn, Md.—Charles Kramer has acquired the greenhouse property of the late H. B. Holden.

Coldwater, Mich.—Weage & Tyler have added 100 acres to their hardy herbaceous nursery grounds.

Concord, N. H.—S. R. Baker of Belmont has purchased an interest in the business of C. V. Kimball, florist.

Youngstown, O.—The H. W. Diamond Company have purchased the business of Stewart MacLean, North Phelps street.

Huntingburg, Ind.—Morgen & Seubold, florists, dissolved partnership Dec. 31st. Peter Morgen will continue the business.

Orlando, Fla.—Ed Berno, formerly of Mansfield, O., will commence a florist and nursery business here under the name of the Berno Floral Co.

New York—Dr. N. L. Britton, director of the New York Botanical Garden, at the annual meeting of the board of managers, made an appeal for increasing the endowment to one million dollars.

St. Joseph, Mo.—The hundreds of strawberry and other fruit growers west of St. Joseph in Kansas, are giving close attention to plans of A. W. Themanson to take up the production of essential oils for perfumes. The soil and climate of the district is very similar to the soil and climate of the great rose growing districts of Bulgaria, where most of the attar, or otto, of roses is produced. Mr. Themanson has laid out a plot of forty acres for flowers of various kinds and will erect a still to extract the oils. He is urging on his neighbors the production of flowers to keep the still running a large part of the summer. He has corresponded with a number of perfume manufacturers and says he can dispose of all the oil he can produce.

JOHN BREITMEYER'S SONSCor. Broadway and Gratiot Aves.
DETROIT, MICH.**Artistic Designs . . .
High Grade Cut Blooms**

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Will take good care of your orders

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J. A. VALENTINE, Pres.

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to any of the firms whose address is
here given will be promptly and prop-
erly filled and delivered.

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Albany, N. Y.—The Rosery, 23 Steuben St.
Boston—Thos. F. Galvin, 126 Tremont St.
Boston—Penn. the Florist, 37-43 Brom-
field St.

Boston—Harry Quint, 199 Tremont St.
Boston—Zinn, the Florist, 1 Park St.
Buffalo, N. Y.—S. A. Anderson, 440 Main
St.

Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago, Ill.—Schiller the Florist, George
Asmus, Mgr.

Chicago—William J. Smyth, Michigan
Ave. and 31st St.
Cleveland, O.—J. M. Gasser Co., Euclid
Ave.

Cleveland, Ohio—Adam Graham & Sons,
5523 Euclid Ave.

Denver, Col.—Park Floral Co., 1643
Broadway.

Detroit, Mich.—J. Breitmeyer's Sons,
corner Broadway and Gratiot Ave.

Houston, Tex.—Kerr, The Florist.

Kansas City, Mo.—Samuel Murray, 913
Grand Ave.

New London, Conn.—Reuter's.
New York—David Clarke's Sons, 2139-2141
Broadway.

New York—Alex. McConnell, 611 5th Ave.
New York—Young & Nugent, 42 W. 28th.
New York—Dards, N. E. corner 4th St.
and Madison Ave.

New York—Max Schling, 22 W. 59th St.
New York—G. E. M. Stumpp, 761 Fifth
Ave.

New York—Thos. F. Galvin, Fifth Ave.,
at 46th St.

New York—J. H. Small & Sons, 1153
Broadway and Waldorf-Astoria.

New York—Myer, 609-611 Madison Ave.
New York—A. T. Bunyard, 413 Madison
Ave.

Norwich, Conn.—Reuter's.
Omaha, Neb.—Hess & Swoboda, 1415
Farnum St.

Rochester, N. Y.—J. B. Keller Sons, 25
Clinton Ave., N.

St. Louis, Mo.—Fred C. Weber, 4326-28
Olive St.

St. Paul, Minn.—Holm & Olson, Inc.
Tarrytown-on Hudson, N. Y.—F. R. Pier-
son Co.

Toronto, Can.—J. H. Dunlop, 96 Yonge
St.

Washington, D. C.—Gude Bros., 1214 F
St.

Washington, D. C.—F. H. Kramer, 915
F St., N. W.

Washington, D. C.—J. H. Small & Sons,
cor. 15th and H Sts.

Westerly, R. I.—Reuter's.
Worcester Mass.—Randall's Flower Shop,
3 Pleasant St.

NEW CORPORATIONS

Maney & Sayre, Geneva; general
nursery \$30,000; T. J. Maney, Geneva;
R. M. Sayre, Fitzhugh McGrew, Gene-
va.

Oswego, N. Y.—Oswego Floral Co.,
capital stock, \$2,000. Incorporators,
Chas. A. Tanner, May L. Sibbert and
Frederick Penfold.

Chicago, Ill.—Chas. H. Fisk, Inc.,
Florist, 1581 Ogden avenue, capital
stock, \$12,000. Incorporators, C. H.
and Bertha C. Fisk and Clara D. Mil-
ler.

NEWS NOTES.

Aitkin, Minn.—Charles B. Peterson
will shortly open a nursery on the
East Mille Lac road.

Penn
The Florist

"The Telegraph Florist"

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37-43 Bromfield St., Boston, Mass.

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New London and Norwich, Conn.
and Westerly, R. I.

We cover the territory between
New Haven and Providence

Transfer your orders for flower or
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4 Park St., Boston

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FLORISTS AND
PLANTSMEN

TARRYTOWN ON HUDSON, - N. Y.

SEASONABLE SUGGESTIONS

BY THE FLORISTS' SUPPLY HOUSE OF AMERICA

*St. Valentine's Day Novelties—Heart Boxes for Violets—Cherries
for Washington's Birthday*

CATCHY NOVELTIES IN TANGO FAVORS

HANDLE BASKETS With Liners

TUMBLER BASKETS

CYCAS LEAVES, Best in the World

MAGNOLIA LEAVES

WHEAT SHEAVE, CREPE PAPER AND MATS

CREPE FLOWERS

H. BAYERSDORFER & CO.,

The Florists' Supply
House of America

**1129 Arch St.,
PHILADELPHIA, PA.**

NEWS ITEMS FROM EVERYWHERE

CHICAGO.

The Winterson Seed Store has in its first car load of cannas.

Chas. Stewart has again gone into the retail business at 3323 North avenue, near his old location.

Poehlmann Bros. have already booked orders for more than a quarter of a million young plants of Mrs. Russell rose.

A. L. Vaughan thinks an unusually good late winter business is likely to follow the rather slow earlier season. A stenographer has been added to the office force here this week.

Wietor Bros. pronounce the Mrs. Russell rose a success with their house, and will give Hadley another trial before giving it up. He says so far it has a marked tendency to come "blind."

Frank Oechslin has added another car to his equipment. A light weight machine for quick delivery now supplements his two large trucks and carries the plants from his range on the west side.

The Chicago Retail Florists' Association are trying to put their work on a practical basis and stand for a real benefit to that branch of the trade. George Stollery is president; Geo. Walther, vice-president and Louis Witthold, treasurer.

Among the seasonable novelties are heart-shaped baskets for Valentine's Day use and green harps for window decorations for St. Patrick's Day at Poehlmann Bros.' supply department. Some new color effects are shown in baskets for spring flowers.

Zech & Mann have one shipper who bunches freesia so that it presents a solid even top, more attractive than the loose way. While the stock is large and fine the arrangement has something to do with the extra price it always brings. 80,000 freesia of the Purity variety is grown for this firm.

Sam Pearse, who is one of Chicago's largest growers of bulbs for cut flowers this year, is already sending large quantities of jonquils and tulips down town. He has had many years of experience in this line and with his new range of houses and auto truck for de-

livery is handling the business very successfully.

Among the plant offerings this week are seen pans of tulips of La Mattelas, a favorite light pink; the deep rose pink Proserpine, and yellow Montessor. With the colder and more seasonable weather these latest offerings are meeting with favor. The spring flowers also include potted hyacinths of La Junoese (white) and Gertrude (pink).

Paul Klingsporn finds that during the Christmas week his American Beauty roses averaged 80 cents each. They were all produced by local growers. Mr. Klingsporn has also found that his books show the average on Killarney roses for the four months September, October, November and December is but one-half cent each less than last year, while on Sunburst and Milady the difference is still less. Mr. Klingsporn is manager for the Chicago Flower Growers' Association.

The lag in flower sales this winter does not seem likely to lessen the usual amount of greenhouse building the coming season. The various firms handling greenhouse materials report a steady stream of inquiries which means that many are planning to build. Sharp Partridge & Co., who are in position to be good authority on the glass situation say that without question prices will remain firm, with a tendency to go higher on double-strength, greenhouse sizes. The factories are all running and supply at this time is normal.

The Foley Greenhouse Manufacturing Co. has landed another of the state contracts. This time it is for the Agricultural College at Columbus, O., and work has already begun on it. It is to be similar to the one Mr. Foley recently erected at Urbana, Ill., and is to be completed this spring. This firm reports a very satisfactory business and says the outlook for new business is good. The work of enlarging their factory has been going on for two months and is now completed, giving them one of the most convenient and best equipped plants in the state with three times its former floor space and greatly enlarged yards.

Carnations are receiving a large

share of attention just now. The price this season is generally conceded to have been below normal up to the present time and that flower may be said to be on trial. Here is some of the evidence: Nick Wietor—"Too many carnations have been grown. No price for the balance of the season can make up for the loss so far." A. L. Vaughan—"There has been no extra quality of carnations cut this year. The low price is caused by a decreasing demand for that flower, the low price of roses being one of the causes." Paul Klingsporn—"The carnation is the flower of the medium class buyer and the stringency of the times has prevented sales. Too many carnations were grown this year." O. W. Freese, Poehlmann Bros. Co.—"The price of carnations has averaged as high accordingly as the price of roses. Two cents less per rose has been the average."

CHICAGO

And Neighboring Towns

Are Thoroughly Covered by

SCHILLER, THE FLORIST

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Flowergram or Mail Orders from Florists anywhere carefully filled and delivered under the supervision of

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ANDERSON service means fresh, sturdy stock, and prompt deliveries in BUFFALO, LOCKPORT, NIAGARA FALLS and WESTERN NEW YORK.

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PUBLIC ACCOUNTANT AND AUDITOR

Simple methods of correct accounting especially adapted for florists' use.

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MASON'S PATENT BOUQUET HOLDERS

Cannot Capsize in the Ground.

SOMETHING NEW!

This holder has distinctive advantages over all others on the market.

The Patent Base supports the holder absolutely upright on the ground, preventing it from either leaning or falling altogether over.

Made of heavy tin Japanned a rich green.

Write for Quantity Prices

Order Now for Future Delivery

GEO. H. MASON CO.

Established 1865

164 A St. . BOSTON, MASS.

**WALL BRACKET
HOLDER**

For use in the Florist's shop, bay window or conservatory.

*Sample by Parcel
Post for*
25 cents

BOUQUET HOLDER

For cemetery or lawn decoration along borders of walks.

BOUQUET HOLDER

For use in assisting in the effective display of floral decorations in the home, florist's shop, stage or pulpit

BOSTON.

Philip L. Carbone expects to leave Boston for San Francisco early in February and will combine business with pleasure.

Paul C. Regan, for twelve years with Sidney Hoffman, has joined the force of King, the Putnam Square florist, Cambridge.

The reconstruction of Harry Quint's new store in the Back Bay is being started this week. According to the architect's plans it will be elaborately appointed.

The meeting of the Gardeners' and Florists' Club of Boston has been postponed to January 28. All members are urged to attend, as the installation of officers will be held, and it will also be ladies' night.

Attention is here called to the annual spring show of the Massachusetts Horticultural Society, March 25-28. Many attractive classes are arranged for, and all who contemplate entering the show are urged to notify the secretary as soon as possible.

N. Fishelson, the retail florist in the Back Bay, has dissolved his partnership with J. Kopelman & Co., of Providence, and will concentrate his efforts upon his retail business in Boston, which he has developed from extremely small beginnings but a few years ago.

The assignee of F. W. Fletcher of Auburndale, has finally after three and

one-half years succeeded in selling three lots at Hough's Neck for \$150, or \$700 dollars less than was expected and has sent to the creditors a first and final dividend of 5 per cent. of their claims.

In one of the show windows of Penn the Florist this week is a Robert Burns exhibit in honor of the poet's birthday. It consisted of a Highland Lassie in costume, a bagpiper, and a picture of Burns' birthplace in a setting of erica. The exhibit was advertised in the newspapers, incidentally suggesting Penn's violets "for auld lang syne."

The construction by the city of Boston of a \$500,000 public horticultural building, the best of its kind in the country, on land in the vicinity of the Art Museum, was urged by Mayor Curley in an address on "Municipal Administration," at the free lecture under the auspices of the Field and Forest Club, at the Public Library last Thursday evening.

The seed business in Boston has taken a sudden stimulus this week. In a recent visit to Fottler, Fiske, Rawson Co., the writer noted the fine catalog which is being widely distributed at this time. A whole building, consisting of five stories is taken up with the business of this progressive firm. Mr. Fiske was quite optimistic concerning the spring seed prospects.

On Saturday afternoon, January 16, Fred E. Palmer of Brookline, Mass., delivered a lecture on house plants before a large and appreciative audience

in Horticultural Hall, Boston, this being the first in the series of winter lectures under the auspices of the Massachusetts Horticultural Society. Mr. Palmer's talk was, of course, directly addressed to the amateur and was not only a well-phrased and eloquent production, but was plain, truthful and practical throughout, a character which does not always apply to the floricultural literature supplied through daily papers and magazines for public enlightenment. Every retail florist in the country would do well to get a copy of Mr. Palmer's paper from Secretary W. P. Rich and use it as the basis for circulars or verbal advice and replies to inquiries on plant problems by his customers. A wide dissemination of these facts of plant needs which are well-known to professional growers would add greatly to the interest and satisfaction of the amateur culturist and materially increase the sale of plants for window use.

Haverhill, Mass.—E. Yaffe, the florist, is recovering slowly from his recent illness.

Rochester, N. Y.—"The Flower City" wants the Carnation Society for 1916 and the irrepressible representatives from that hustling town will be out in force at Buffalo next week to secure the prize. The Rochester Florists' Association numbers 150 very enthusiastic members. They are talking about arranging for a possible joint exhibition the coming season with the Rochester Industrial Exposition.

SPRING FLOWERS

WHITE and PURPLE LILAC,—per bunch, \$1.25
 PURE WHITE FREESIA,—per 100, \$4.00
 PUSSY WILLOW,—per bunch, 50 cents

Daffodils — Snapdragons — Pansies — Daisies — Cornflowers —
 A well regulated supply. Through stock, every day to
 fill your orders.

THE LEO NIESSEN CO.

Wholesale Florists

N. W. Cor. 12th and Race Sts., PHILADELPHIA, PA.
 BALTIMORE, MD. WASHINGTON, D. C.

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BEST TRADE PAPER

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 When Writing to Advertisers

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Order direct or buy from your local
 supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always
 in Stock.



G. E. CRITCHELL

"The" Wholesale Florist of Cincinnati
 32-34-36 East Third Street

Consignments Solicited. Complete stock of
 Florists' Greens and Supplies.

Mention Horticulture when writing.

Wired Toothpicks

Manufactured by

W. J. COWEE, Berlin, N. Y.

10,000....\$1.75. 50,000....\$7.50. Sample free
 For sale by dealers.

E. G. HILL CO.

Wholesale Florists

RICHMOND, IND.

Please mention Horticulture when writing

POEHLMANN BROS. CO.

Supply of Best Cut Flowers all the Year Around
 72-74 EAST RANDOLPH ST., - - - CHICAGO.

If interested, send us your name and address for our weekly price list.

WELCH BROS. CO.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE
 SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI January 11	CHICAGO January 18	BUFFALO January 18	PITTSBURG January 18
Roses				
Am. Beauty, Special.....	25.00 to 30.00	to 50.00	30.00 to 40.00	25.00 to 30.00
" " Fancy and Extra.....	15.00 to 20.00	to 25.00	15.00 to 20.00	15.00 to 20.00
" " No. 1.....	10.00 to 15.00	to 20.00	10.00 to 15.00	10.00 to 15.00
Killarney, Richmond, Extra.....	10.00 to 15.00	to 20.00	10.00 to 15.00	10.00 to 15.00
" " Ordinary.....	5.00 to 10.00	to 15.00	5.00 to 10.00	5.00 to 10.00
Hillingdon, Ward, Sunburst, Extra.....	10.00 to 15.00	to 20.00	10.00 to 15.00	10.00 to 15.00
" " Ordinary.....	5.00 to 10.00	to 15.00	5.00 to 10.00	5.00 to 10.00
Maryland, Shawyer, Taft, Extra.....	10.00 to 15.00	to 20.00	10.00 to 15.00	10.00 to 15.00
" " Ordinary.....	5.00 to 10.00	to 15.00	5.00 to 10.00	5.00 to 10.00
Russell, Hadley, Ophelia.....	10.00 to 15.00	to 20.00	10.00 to 15.00	10.00 to 15.00
Carnations				
Fancy.....	3.00 to 4.00	to 5.00	3.00 to 4.00	3.00 to 4.00
Ordinary.....	2.00 to 3.00	to 4.00	2.00 to 3.00	2.00 to 3.00
Cattleyas	40.00 to 50.00	to 60.00	30.00 to 40.00	30.00 to 40.00
Cypripediums	10.00 to 15.00	to 20.00	10.00 to 15.00	10.00 to 15.00
Lilies, Longiflorum	10.00 to 15.00	to 20.00	10.00 to 15.00	10.00 to 15.00
Lily of the Valley	4.00 to 5.00	to 6.00	4.00 to 5.00	4.00 to 5.00
Violets	2.00 to 3.00	to 4.00	2.00 to 3.00	2.00 to 3.00
Snapdragons	2.00 to 3.00	to 4.00	2.00 to 3.00	2.00 to 3.00
Narcissus, Paper White	2.00 to 3.00	to 4.00	2.00 to 3.00	2.00 to 3.00
Corn Flower	1.00 to 2.00	to 3.00	1.00 to 2.00	1.00 to 2.00
Freesia	3.00 to 4.00	to 5.00	3.00 to 4.00	3.00 to 4.00
Daffodils	4.00 to 5.00	to 6.00	4.00 to 5.00	4.00 to 5.00
Lilac	1.00 to 2.00	to 3.00	1.00 to 2.00	1.00 to 2.00
Sweet Peas	1.00 to 2.00	to 3.00	1.00 to 2.00	1.00 to 2.00
Gardenias	1.00 to 2.00	to 3.00	1.00 to 2.00	1.00 to 2.00
Adiantum	1.00 to 2.00	to 3.00	1.00 to 2.00	1.00 to 2.00
Smilax	1.00 to 2.00	to 3.00	1.00 to 2.00	1.00 to 2.00
Asparagus Plumosus, Strings (100)	25.00 to 30.00	to 35.00	25.00 to 30.00	25.00 to 30.00
& Spreng. (100)	25.00 to 30.00	to 35.00	25.00 to 30.00	25.00 to 30.00

WILLIAM F. KASTING Co.

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WOODROW & MARKETOS

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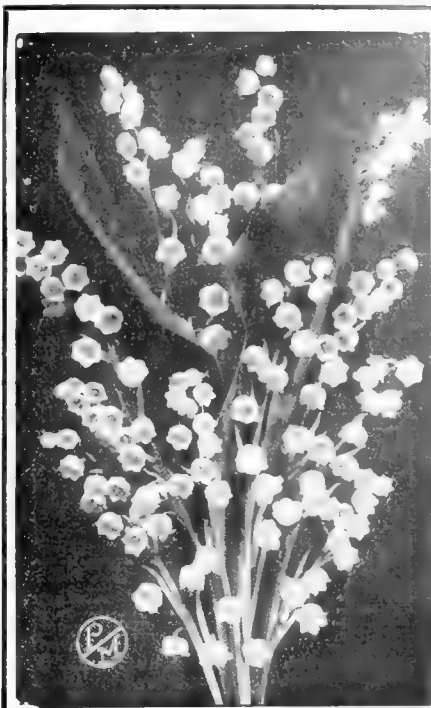
Flower Market Reports

BOSTON Business is still far from normal and at this writing the wholesale markets are inactive with few buyers to cause any excitement. The retail stores seem to be busy, but the wholesalers are not satisfied with conditions. There is a large supply of plants and the demand for them is fairly active, thus cutting somewhat into the sale of cut flowers. Last week carnations were very plentiful, but within the last four or five days stock has shortened up considerably, not only in carnations but roses as well. There is a good supply of cattleyas. Gardenias are more abundant and in better demand. Shipping trade has fallen off a bit, so that stock is not cleaning up as well as it should under existing circumstances.

Last week's receipts **BUFFALO** were heavy, especially in carnations, some choice, some good, some ordinary and a lot of inferior quality, the last too poor to offer for sale at this season, and consequently the quantity and the quality brought down the price. Roses have shortened in supply but some very choice flowers are in market. Violets sold better, also lily of the valley and mignonette and lilies. Beauties of the long grades did not have any special demand though shorts sold readily. Golden Spur and Victoria narcissi are in and so far have taken well even at the 50c. mark. Tulips in pink, bronze, white and yellow, and freesias are coming in nicely. Sweet peas are fine though not too many.

A little more hopeful **CHICAGO** tone prevails in the market at present. The chief difference is in a slight increase in local demand and a shortening up of the supply, especially in roses. All kinds of roses have advanced in price and at no time during the season has the cut been less. American Beauties are now decidedly off crop and it will be some time before there is a large supply again. Bulbous stock is heavier each week, the season opening up with a very fair price on good tulips and jonquils. With the enormous quantity known to have been planted the price will probably drop soon. Paper whites are in evidence everywhere and very hard to move. Sweet peas are now coming with good stems, much of the stock being of the butterfly varieties. There are plenty of violets to meet the demand, growers in the East and local ones all cutting fair crops. Orchids still continue to come in at a rate that keeps prices low.

The market is again **CINCINNATI** in a firm condition. The supply, particularly in roses and carnations, has shortened greatly to a point where the daily demand for stock affects fair clearances in the market. Locally business is only fair but the call from out-of-town is very strong and helps give Third street its present substantial tone. All roses are cleaning up nicely except American Beauties and they have a fair request. The Killarneys are very fine. Carnations, too, are far from being plentiful. All receipts of any good quality at all



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Special \$4.00 per 100
Extra 3.00 per 100

PUSSY WILLOW 50c. and 75c. per bunch.

GARDENIAS Doz. 100
Special \$3.00 \$20.00
Fancy 2.00 15.00

CATTLEYAS:
Special 5.00 35.00
Fancy 4.00 25.00

CATTLEYA PERCIVALLIANA, unusually good at present for this variety \$3.00 per doz. \$20.00 per 100.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON January 21		ST. LOUIS January 1		PHILA. January 11	
Roses						
Am. Beauty, Special	25.00	to 30.00	30.00	to 40.00	25.00	to 30.00
" " Fancy and Extra	15.00	to 20.00	20.00	to 25.00	15.00	to 20.00
" " No. 1	5.00	to 8.00	10.00	to 15.00	3.00	to 5.00
Killarney, Richmond, Extra	4.00	to 5.00	5.00	to 6.00	6.00	to 10.00
" " Ordinary	2.00	to 4.00	2.00	to 4.00	2.00	to 5.00
Hillingdon, Ward, Sunburst, Extra	6.00	to 8.00	6.00	to 8.00	6.00	to 10.00
" " Ordinary	4.00	to 6.00	3.00	to 5.00	2.00	to 5.00
Maryland, Shawyer, Taft, Extra	4.00	to 8.00	6.00	to 8.00	2.00	to 10.00
" " Ordinary	4.00	to 6.00	3.00	to 5.00	2.00	to 6.00
Russell, Hadley, Ophelia	4.00	to 6.00	3.00	to 5.00	3.00	to 15.00
Carnations, Fancy	1.00	to 4.00	2.00	to 3.00	1.00	to 3.00
" " Ordinary	1.00	to 1.50	1.00	to 1.50	1.00	to 2.00
Cattleyas	30.00	to 40.00	40.00	to 50.00	20.00	to 50.00
Cypripediums	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50
Lilies, Longiflorum	10.00	to 10.00	8.00	to 10.00	8.00	to 10.00
Lily of the Valley	4.00	to 4.00	3.00	to 4.00	1.00	to 4.00
Violets	75	to 75	1.25	to 1.25	1.00	to 1.00
Snapsdragon	4.00	to 4.00	3.00	to 5.00	4.00	to 1.00
Narcissus, Paper White	1.00	to 2.00	1.00	to 3.00	1.00	to 3.00
Corn Flower	75	to 75	1.00	to 1.50	1.00	to 1.00
Freesia	1.00	to 1.00	1.00	to 1.00	1.00	to 6.00
Daffodils	1.00	to 1.00	3.00	to 5.00	3.00	to 1.00
Lilac	per bunch	1.00	1.00	to 1.00	1.00	to 1.00
Sweet Peas	30.00	to 30.00	1.00	to 1.00	1.00	to 25.00
Gardenias	1.00	to 1.00	1.00	to 1.25	1.00	to 1.00
Adiantum	12.00	to 12.00	1.00	to 12.50	1.00	to 20.00
Smilax	40.00	to 40.00	50.00	to 50.00	50.00	to 50.00
Asparagus Plumosus, Strings (100)	35.00	to 35.00	1.00	to 15.00	25.00	to 50.00
" " & Spreng. (100 Bchs.)	35.00	to 35.00	1.00	to 15.00	25.00	to 50.00

found a good market for the few days immediately preceding this writing. Lilies enjoy a good call. The narcissus market is picking up. Callas are selling well. The same is true of lily of the valley. In this last-named flower some very fine stock may be had. Other offerings include violets, orchids, Roman hyacinths and freesia.

It is very pleasing to report a much more satisfactory market condition here. Prices have advanced materially all along the line and business has been more brisk. The rose supply has shortened up very considerably with the natural course of events that prices have advanced and the shortened supply of roses has made it possible to obtain fairly good

prices for bulbous stock which is now arriving in large quantities. Carnations have also shortened up in supply and increased in price very much. Sweet peas a little more plentiful, but with the usual good prices being maintained. Asparagus from the south is selling very well. Lilies in good demand clearing out nicely at favorable figures. Callas, \$12 per 100. Orchids also advanced in price though not to such a great extent as some of the other flowers. Violets remain about the same.

PHILADELPHIA slight improvement in business here last week. Not only was there a little more business but the crops let

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FINE ROSES, FANCY CARNATIONS

A Full Line of ALL CUT FLOWERS.
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A full line of Choice Cut Flower Stock for all purposes.
The HOME OF THE LILY by the 100, 1000 or 10,000.

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WHOLESALE ONLY

SAVE TIME AND MONEY BY SENDING YOUR ORDER TO US
Prices Right. Consignments Solicited. Telephone Connection

**HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY**

THE HIGHEST GRADE OF VALLEY ALWAYS
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GARDENIAS, DAISIES, ROSES AND CARNATIONS

JAMES McMANUS, Tel. 759
Mad. Sq. 105 W. 28th St., New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Jan. 16 1915		First Half of Week beginning Jan. 18 1915	
American Beauty, Special	10	30.00	20.00	to 45.00
" " Fancy and Extra	10	1.00	1.00	to 20.00
" " No. 1	10	5.00	5.00	to 10.00
Killarney, Richmond, Extra	10	6.00	6.00	to 10.00
" " Ordinary	10	2.00	2.00	to 4.00
Hillingdon, Ward, Sunburst, Extra	10	6.00	6.00	to 12.00
" " Ordinary	10	1.00	1.00	to 6.00
Maryland, Shawyer, Taft, Extra	10	6.00	6.00	to 12.00
" " Ordinary	10	3.00	3.00	to 6.00
Russell, Hadley, Ophelia	10	1.00	1.00	to 15.00
Carnations, Fancy Grade	10	1.00	1.00	to 2.00
" " Ordinary	10	1.00	1.00	to 2.00

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KOMADA BROS.

Manufacturers of all kinds of

WIRE DESIGNS and FLORISTS SUPPLIES

1008 Vine St., PHILADELPHIA, PA.

Flower Market Reports

Continued from page 10

up a little so that there was a better tone all along the line although prices did not increase to any marked degree. The improvement was particularly noticeable in roses. These fell off crop rapidly with many of the growers. This was especially the case in the white varieties and in American Beauty. Beauties went off quite suddenly and advanced sharply in price while the quality of same went below par, especially in the shorter grades. The specials are good but scarce. Carnations are still in large supply although not so superabundant as they were a week ago. They seem to be over the hill now and the market can probably handle the income and get at least a fair return. Orchids and gardenias are still too plentiful for the demand. Lily of the valley also is a little sluggish. Violets are a pretty fair proposition, all things considered. Sweet peas are in great form at present, especially in the Spencers. These are magnificent long-stemmed stock and grand in form and finish. They are bringing good prices and we are glad to see it. They deserve it. Plenty of daffodils, freesias, Roman hyacinths, paper whites and other miscellaneous stock.

Aside from **SAN FRANCISCO** eral work business is rather quiet. Wholesale trade is fairly good, with most lines in ample, but not excessive supply and the daily offerings cleaning up at reasonably satisfactory prices. Shipping business from the local distributing houses is none too active, but a good deal of stock is being shipped from the nurseries by large growers. The heavy rains have made the violets rather poor for shipping, with supplies fluctuating greatly from day to day. Carnations are offered less freely, and are just now bringing as good prices as for Christmas week. Roses are doing well, as practically all cheap stuff is out of the market, only hothouse goods being available. The general quality is good and prices fair. There is a good cut of Beauties, but Killarneys, both pink and white, are probably taking the lead in popularity. Bulb stock, daffodils, freesias, etc., are becoming steadily more plentiful, and a few early tulips have been seen, with more coming in a week or two. Liliun formosum is made quite a feature in some shops. There are plenty of lilies of the valley. The cut of gardenias continues large, and the demand has hardly kept up to expectations. Orchids are offered freely. A good many potted azaleas are still shown, but other lines are less in evidence. This week has brought a good deal of pussy willow into the market.

The wholesale market **ST. LOUIS** is still in a bad way with plenty of good stock and exceedingly slow demand. The fine warm weather of late has caused quite a large daily crop of everything. The demand is nothing like that in former years at this time and prices are lower than ever. There is a splendid crop of roses coming in with all leading varieties represented. Carnations are more than enough in all varieties. Sweet peas and violets are becoming more plentiful. All bulb stock abundant with only fair demand, pipe.

FANCY OR DAGGER FERNS

New Crop Fancy Ferns - \$0.75 per 1000
Dagger Ferns - .75 per 1000

Discount on large orders

USE OUR LAUREL FESTOONING

For your decorations, made fresh daily from the woods, 4c, 5c and 6c per yard

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Bronze and Green Galax, \$1.00 per 1000;
\$7.50 per case of 10,000.
Sphagnum Moss, large sack, only 40c.
Fine by the pound, 8c., or by the yard.
Branch Laurel, 35c. for a large bundle.
Southern Smilax, 50-lb. cases, \$5.00.
Green and Bronze Leucothoe Sprays, \$3.00
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Fine Boxwood, \$7.50 per 50-lb. case.
Order in advance.
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CROWL FERN CO., Millington, Mass.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Jan. 16 1915	First Half of Week beginning Jan. 18 1915
Cattleyas	to 25.00	to 25.00
Lilies, Longiflorum	0.50 to 8.00	0.50 to 8.00
" Rubrum	to 1.00	to 1.00
Lily of the Valley	to 1.00	to 1.00
Violets	to 1.00	to 1.00
Snapdragon	4.00 to 8.00	4.00 to 8.00
Narcissus, Paper White, Roman Hyacinths	1.00 to 1.50	1.00 to 1.50
Corn Flower	1.00 to 2.00	1.00 to 2.00
Stevia	to 1.00	to 1.00
Mignonette	to 6.00	to 6.00
Lilac (per bunch)	to 1.00	to 1.00
Sweet Peas	1.00 to 2.00	1.00 to 2.00
Gardenias	1.00 to 20.00	1.00 to 20.00
Adiantum	.75 to 1.00	.75 to 1.00
Smilax	2.00 to 10.00	2.00 to 10.00
Asparagus Plumosus, strings (per 100)	25.00 to 30.00	25.00 to 30.00
& Spreu (100 bunches)	15.00 to 25.00	15.00 to 25.00

WANTED FOR THE NEW YORK TRADE
New England Grown Roses, Violets, Pansies, Primroses,
Sweet Peas, Corn Flowers, Daisies
Highest Prices for Choice Stock. Write for Particulars.
B. S. SLINN, Jr., 57 W. 26th Street
NEW YORK

Asparagus is away short of the demand.

Business this week **WASHINGTON** has shown some improvement. Flowers are not quite so plentiful and prices have advanced slightly. The only flowers reported as being in abundance are sweet peas and American Beauty roses. There are some very fine Spencer peas but these are being passed by in favor of the cheaper varieties. Single violets, as usual, are moving better than the double. Cornflowers and freesias were to be seen here for the first time last week and they are selling well. Mignonette is in much better demand than it has been and calendulas have increased in favor. Some extra fine lilac plants at \$2 each were offered last week and the cut stock is also very good. There is quite a scarcity of yellow roses. Mrs. Aaron Ward being practically off crop. Lady Hillingdon, while quite plentiful, are not of the best quality, and Sunburst is coming in with crooked stems. The market is full of Cattleya Trianae at low prices. Lily of the valley has been moving very well. Heavy rains during the first part of the week followed by warm sunshine played havoc in many of the houses and to this is attributed the prevalent splitting of calyxes of the carnations.

Cincinnati - C. E. C. ... a \$500 damage ... through the bursting of a water pipe.

WASHINGTON NOTES.
J. Norman Ager, a graduate of the Maryland Agricultural College, who has been employed as a rose grower by Gude Bros. Company, has gone west intending to locate in Southern California or some southwestern state. The best wishes of his fellow-employees at the Mt. Olivet greenhouses are extended to him.
George W. Hess is planning to greatly increase the usefulness of the Botanic Gardens and to make this place more easily accessible to the people of the city and hereafter the Gardens will be open to the public on Sundays from 10 A. M. to 3 P. M. Mr. Hess will provide a competent guide to take parties through the grounds and extends an invitation to all visiting florists in Washington to inspect them. In extending the Garden's facilities, Mr. Hess is having prepared an exhibit of plants and their products that are common in household use for the benefit of the school children while a smaller exhibit will be loaned to the schools upon request.

NEWS NOTES.
Cold Water, Mich. Weage & Tyler have purchased 100 acres of land on which they propose to grow peonies, phlox, iris, etc.
Geneva, N. Y. The firm of Troutman Bros., florists, has been dissolved. The business will hereafter be conducted by Arthur J. Troutman and Stanley E. Smith, under the name of Troutman & Smith.

FERNS—Continued

Ernest Oechslin, River Forest, Ill.
Ferns for Dishes.
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Henry A. Dreer, Philadelphia, Pa.
Ferns for Dishes.

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Cocoanut Fibre Soil.
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Wizard Brand Cattle Manure.
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Stampp & Walter Co., New York City.
Scotch Soot.
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Plantlife Co., New York, N. Y.
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Aetna Brand Tankage Fertilizer.
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Elmer D. Smith & Co., Adrian, Mich.
Plant Food.
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Natural Guano Co., Aurora, Ill.
Naturalized Sheep Manure.

FLORISTS' LETTERS

Boston Florist Letter Co., Boston, Mass.
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Reed & Keller, New York City.
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Welch Bros. Co., Boston, Mass.
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Komada Bros., Philadelphia, Pa.
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FLOWER POTS

E. Allan Peirce, Waltham, Mass.
Peirce Paper Flower Pot.
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W. H. Ernest, Washington, D. C.
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A. H. Hews & Co., Inc., Cambridge, Mass.
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Hilfinger Bros., Ft. Edward, N. Y.
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FUCHSIAS

Fuchsias—Black Prince, Speciosa, double
purple and white, Rooted Cuttings, \$1.00
per 100; 2 1/4 in., \$2.00 per 100.
W. J. BARNETT, R. D. 67, Sharon, Pa.

FUNGINE

Aphine Mfg. Co., Madison, N. J.
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GALAX

Michigan Cut Flower Co., Detroit, Mich.
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White Marsh, Md.

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Alonzo J. Bryan, Washington, N. J.
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J. E. Felthousen, Schenectady, N. Y.
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GLADIOLUS

John Lewis Childs, Flowerfield, L. I., N. Y.
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A. Henderson & Co., Chicago, Ill.
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Independence, 1st size, \$8 per 1000. Special
prices on other home grown Gladioli.
MUNSELL & HARVEY, Ashtabula, Ohio.

Gladiolus—Shakespeare, Hyde Park,
Morning Star. Good for Florists' use.
First and second sizes. Write for prices.
HERMAN H. BAER, New Hyde Park, N. Y.

America, Augusta, Mrs. King, Halley
(early), Chicago White (early), Klondike,
Princes, Taconic, Golden King, Peace,
Niagara, Victory, Mrs. F. Pendleton, small
sizes, low prices. Write. HOMER F.
CHASE, Lawrence, Mass.

First size healthy Gladioli, per 1000:
Augusta, \$14.00; Hulot, \$14.00; Halley, \$14.00;
King of Yellow, \$25.00; Francis King, \$14.00;
Panama, \$37.50; Pink Beauty, \$9.00; White
and Light Mixed, \$10.00. Send for list of
75 varieties, including planting sizes. F. E.
SWETT & SON, Stoughton, Mass.

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Greenhouse glass, lowest prices. JOHN-
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Smith & Hemenway Co., New York City.
Red Devil Glass Cutter.
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Metropolitan Material Co., Brooklyn, N. Y.
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A. T. Stearns Lumber Co., Neponset,
Boston.
Stearns Cypress.
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Metropolitan Material Co., Brooklyn, N. Y.
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Michigan Cut Flower Exchange, Detroit,
Mich.

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Crowl Fern Co., Millington, Mass.
Fancy and Dagger Ferns.

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The Kervan Co., New York.

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Bay State Nurseries, No. Abington, Mass.

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P. Ouwkerk, Hoboken, N. J.

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Hollywood Ashes for sale. GEO. L.
MUNROE & SONS, Oswego, N. Y.

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Kroeschell Bros. Co., Chicago.
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Chicago, Ill.

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A. T. Stearns Lumber Co., Neponset, Mass.
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Lord & Burnham Co., New York City.

STANDARD HOT BED SASH—80c. each.
Glass, 6 x 8, 8 x 10, 10 x 12 or 10 x 14, \$1.50
per box. C. N. ROBINSON & BRO., Dept.
29, Baltimore, Md.

HOSE

H. A. Dreer, Philadelphia, Pa.

INSECTICIDES

Aphine Manufacturing Co., Madison, N. J.
Aphine and Fungine.

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Lemon Oil Co., Baltimore, Md.
Standard Insecticides.
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Nicotine Mfg. Co., St. Louis, Mo.
Aphis Punk and Nikoteen.
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Plantlife.
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Kentucky Tobacco Product Co., Louis-
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"Nico-Fume."

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Roman J. Irwin, New York City.
Nico Fume Liquid and Paper.
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IVY

English Ivy from field, 20 to 30 in., \$3.00;
from pots, 30 to 40 in., \$5.00 per 100.
CHARLES FROST, Kenilworth, N. J.

LEMON OIL

Lemon Oil Co., Baltimore, Md.
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LILY BULBS

C. S. Wake & Co., New York City
Horticultural Importers and Exporters.
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Lily Bulbs of Standard Quality
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C. C. F. M. Co., New York
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In writing to Advertisers kindly mention Horticulture

FLORA OF THE VALLEY

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H. ...
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M. H. ... New York City
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J. M. ... New York City
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MAILING LISTS

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MASTICA

... New York City.
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National Nurseryman Publishing Co., Inc.,
Rochester, N. Y.
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"NICO-TUNE"

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NIKOTEEEN

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NIKOTIANA

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NURSERY STOCK

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Hardy, Northern Grown Stock.
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Bobbinck & Atkins, Rutherford, N. J.
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Framingham Nurseries, Framingham, Mass.
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August Rolker & Sons, New York City.
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NUT GROWING.

The Nut-Grower, Waycross, Ga.

ONION SETS

Leonard Seed Co., Chicago, Ill.
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Schilder Bros., Chillicothe, O.
Onion Seed Onion Sets.
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ORCHID FLOWERS

Jac. McManus, New York, N. Y.
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ORCHID PLANTS

Julius Roehrs Co., Rutherford, N. J.
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FOR SALE: ... of the late
Edward J. ... to JOSHUA
LAWSON, 1199 Boston St. Brookline, Mass.

Lager & Hurrell, Summit, N. J.

PALMS, ETC.

Robert Craig Co., Philadelphia, Pa.
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August Rolker & Sons, New York City.
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PEONIES

Peonies. The world's greatest collection.
1200 sorts. Send for list. C. BETSCHER,
Canal Dover, O.

PECKY CYPRESS BENCHES

A. L. ... Boston, Mass.
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PIPE AND FITTINGS

...
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Perry, Buxton, Doane Co., So. Boston, Mass.
Second Hand Pipe.

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K. ...
N. ...
Steel Pipe and Pipe Fittings.
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PLANT AND BULB IMPORTS

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August Rolker & Sons, New York City.
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PLANT TRELLISES AND STAKES

Seale's Tieless Plant Stakes and Trel-
lises. H. D. SEALE & SONS, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."
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RIBBONS AND CHIFFONS

S. S. Pennock-Meehan Co., Philadelphia, Pa.
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ROSES

Henry A. Dreer, Philadelphia, Pa.
Two of Pernet-Ducher's Best Roses.

F. R. Pierson Co., Tarrytown, N. Y.
New Roses for Immediate Delivery.
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Poehlmann Bros. Co., Morton Grove, Ill.
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P. Ouwerkerk, Hoboken, N. J.
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W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
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S. J. Reuter & Son, Inc., Westerly, R. I.
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Rose Specialists.
THE CONRAD & JONES COMPANY,
West Grove, Pa. Send for offers.

SEED GROWERS

Leonard Seed Co., Chicago, Ill.
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California Seed Growers' Association,
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Braslan Seed Growers Co., San Jose, Cal.

SEEDS

Carter's Tested Seeds,
Novelties in Flowers and Vegetables,
Boston, Mass., and London, England.
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SEEDS—Continued

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Kelway & Son,
Langport, Somerset, England.
Kelway's Celebrated English Strain Garden
Seeds.
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Leonard Seed Co., Chicago, Ill.
Peas, Beans, Radish and all Garden Seeds.
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J. M. Thorburn & Co., New York City.
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Garden Seed.
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Ant. C. Zvolanek, Lompoc, Cal.
Winter Flowering Sweet Pea Seed.
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Fottler, Fiske & Rawson Co., Boston, Mass.
Seeds for the Florist.

SKINNER IRRIGATION SYSTEM

Geo. N. Barrie, Brookline, Mass.
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SNAPDRAGONS

Snapdragon seedlings, strong stocky
plants for potting or planting. White,
yellow and pink mixed. \$1.00 per 100.
Cash. W. E. SARGENT, Holden St., Wor-
cester, Mass.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and
orchid baskets always on hand. LAGER
& HURRELL, Summit, N. J.

STANDARD REGISTERING THER-
MOMETERS

Standard Thermo Co., Boston, Mass.
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STOVE PLANTS

Orchids—Largest stock in the country—
Stove plants and Crotons, finest collection.
JULIUS ROEHRS CO., Rutherford, N. J.

SWEET PEA SEED

Ant. C. Zvolanek, Lompoc, Calif.
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S. Bryson Ayres Co.,
Sunnyslope, Independence, Mo.
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TRITOMAS

Tritoma Pfitzeri, strong crowns. Write
for prices. THOMAS J. OBERLIN, Sinking
Spring, Pa.

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VENTILATING APPARATUS

The Advance Co., Richmond, Ind.
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The John A. Evans Co., Richmond, Ind.
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WIREWORK

Reed & Keller, New York City.
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Komada Bros., Philadelphia, Pa.
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Wirework. Write for our catalogue.
HOLTON & HUNKEL CO., Milwaukee, Wis.

WILLIAM E. HEILSCHER'S WIRE WORKS, 264 Randolph St., Detroit, Mich.

WHOLESALE FLORISTS**Albany, N. Y.**

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The S. S. Pennock-Meehan Co., 1216 H St., N. W.
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New Offers In This Issue**BODDINGTON QUALITY FLOWER SEEDS.**

Arthur T. Boddington, New York City
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GARDENERS' AND FLORISTS' ANNUAL.

A. T. De La Mare Printing and Publishing Co., Ltd., New York City.
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Palisades Nurseries, Sparkill, N. Y.
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MASON'S PATENT BOUQUET HOLDERS.

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NATIVE PLANTS AND TREES.

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NEW CARNATIONS.

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SEASONABLE PLANT STOCK.

R. Vincent, Jr. & Sons Co., White Marsh Md.
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SEASONABLE PLANT STOCK.

J. E. Felthousen, Schenectady, N. Y.
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SELECT FANCY LEAVED CALADIUMS, TUBEROUS ROOTED BEGONIAS AND GLOXINIAS.

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SPRING FLOWERS.

The Leo Niessen Co., Philadelphia, Pa.
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SWASTIKA BRAND CANNAS.

Conard & Jones Co., West Grove, Pa.
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WANTS, FOR SALE, Etc.**SITUATIONS WANTED**

SITUATION WANTED—Lady with some experience in general florist work, wishes situation in flower store or retail greenhouse establishment. New England location preferred. Address "L. E. B." care HORTICULTURE.

FOR SALE**Florists' Attention**

We have on hand ready for shipment all material necessary for the superstructure of a **MODERN IRON FRAME LUTTON GREENHOUSE**, 42 ft. wide x 150 ft. long. We will dispose of this material for \$1300, F. O. B. our Factory. Remember everything is new and strictly first class; just the same kind of a house that has made the LUTTON Reputation. We will send you even the **GALVANIZED NAILS, BOLTS AND SCREWS** for assembling the house. Plans sent on request.

William H. Lutton Company

Jersey City, N. J.

FLORIST'S BUSINESS FOR SALE.

Location on the main line P. R. R., near city; fully equipped and doing good business. Als o wagon. Full particulars on application. Ernst Wannemacher, 2095 N. 63rd St., Overbrook, Phila., Pa.

FOR SALE—Fresh from factory, new; 10 x 12, 16 x 18, 16 x 24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money. **PAR SHELSKY BROS., INC.**, 215-217 Have meyer St., Brooklyn, N. Y.

THE PRACTICAL BOOK

OF

Outdoor Rose Growing

FOR THE HOME GARDEN

by

GEORGE C. THOMAS, JR.

Elaborately Illustrated with 96 Perfect Reproductions in Full Color of All Varieties of Roses, and a Few Half-tone Plates. Octavo, Handsome Cloth Binding, in a Slip Case. \$1.00 net. Postage Extra.

We have sold a number of copies of this sterling book. One purchaser writes as follows:

HORTICULTURE, Boston, Mass.

Dear Sir: Some time ago we ordered a copy of 'Thomas' Book on Roses. We promised to send you postage as soon as we learned the amount. The book was so good that we forgot to about postage until today. Please forgive our lapse of memory.

We loaned it to a friend and he likes it so well we're afraid that we will have to buy another.

Respectfully,

New York. A R

Every rose grower should possess a copy of this book.

IT IS THE REAL THING

Order From

Horticulture Publishing Co.

BOSTON

In writing to Advertisers kindly mention Horticulture

GYPSY AND BROWN TAIL MOTHS DECREASING.

A recent report from the number of both the gypsy and brown tail moths is declared to be decreasing. Entomology of the U. S. Department of Agriculture to have taken place in the period covered by the report which has recently been published of its work for the year ending June 30, 1914. This has been largely brought about by the wilt disease and the parasite and other natural enemies of these pests, which have been introduced to fight them. Several isolated colonies in Greenfield, Mass., appear to have been exterminated, and in the region around Lenox, Stockbridge and Great Barrington the moths have also been almost eliminated. This is also true of the isolated colony at Wallingford, Conn. At Stonington a few egg clusters were found, and the Connecticut authorities are in charge of work there.

In New York a colony at Geneva apparently has been exterminated, and a colony found on a private estate at Mount Kisco is now being stamped out with the co-operation of the New York authorities. The report calls attention, however, to the need for laws in other states similar in character to that of Massachusetts, which provides that each municipality must do its share toward controlling the moths.

Pulverized Sheep Manure From Big Feeding Barns No Adulteration—No Weed Seeds



THIS IS THE BRAND
GUARANTEED PURE

Sheep's Head Manure is the cleanest in America. Here are the big covered corrals of the railroads, where the sheep are unloaded and kept from 60 to 90 days to fatten for the Chicago market.

We Guarantee

our product to be absolutely clean — no pig manure or other adulteration — nothing but sheep manure — dried and pulverized for easy handling, and all the weed seeds killed.

Some of the largest growers in the East have used our product for years.

Shipped in 100 lb. sacks

Write for quotations and freight rates

NATURAL GUANO CO.

815 River Street

Aurora, Ill.

MASSACHUSETTS AGRICULTURAL COLLEGE NOTES

The ten-week's course offered each year at the college opened on Jan. 4. In the floricultural course the work will consist of greenhouse soils and their preparation, fertilizers and their use, methods of potting, watering, heating and ventilation, outdoor planting and such other branches as are necessary to the man in charge of a greenhouse or greenhouse range. In addition to the major and minor crops of the florist, the bedding plants, annuals and perennials used as cut flowers by the florist will be considered.

Many new books have been secured along floricultural lines and placed for use in the French Hall library and an index file has been started dealing with specialized floricultural subjects.

W. H. HATFIELD.

ABOUT SHEEP MANURE.

Sheep manure is an unexcelled, useful and effective plant food and stimulant but its great potential strength should never be underestimated and unless used with discretion its effect is not always satisfactory. Growers should differentiate between crude sheep manure and the processed and pulverized product such as is being offered by some of HORTICULTURE'S advertisers. In this form many of the objections to the use of sheep manure have been eliminated and it is put into a form for very convenient handling and for uniform distribution where wanted. Purity and freedom from chopped straw, sand and weed seeds are all essential for good results and

when these qualities are guaranteed, then sheep manure is a sterling standby for the grower, under glass or outside.

QUASSIN A CHEAP INSECTICIDE.

Attention is called in a recent bulletin (No.165) of the United States Department of Agriculture to the possibilities of quassin as a contact insecticide. There is reason to believe, says this bulletin, that quassin can be cheaply prepared and possibly sold at a lower price than some of the materials now used in commercial insecticides. In investigating the efficiency of the quassin spray, the author of the bulletin compared it with a standard insecticide known as nicotine sulphate, a tobacco product. The quassin he believes to be equally effective.

DO YOU KNOW THAT—

The money you invest in greenhouse painting is well spent every time.

Doubling the diameter increases the capacity of a pipe four times.

Dry heat and steam are satisfactory agents for disinfecting soil, and not only clear it of eel worms, but also of parasitic fungi causing drop and rot, as well as other pests.

Grafted roses can stand more nitrogen than roses on their own roots.

Easter Sunday falls on April 4, this year.

The sweet pea is a native of Sicily. All shrubs destined to forcing want a period of rest, for which exposure to freezing is very essential. Instead of freezing, aetherizing and hot water treatment is used with very satisfactory results.

A Magnificent Volume on Horticulture

Originally published at \$2.50 **\$1.50**

KIRKEGAARD'S
"Trees, Shrubs, Vines and Herbaceous Perennials": a book which bids fair to become a classic in its field.

With its 410 pages packed full of garden lore, its 60 beautiful full-page sepia photos and its comprehensive planting list it is a genuine contribution to the literature of Horticulture

An Ideal Gift

The edition is almost exhausted. We've picked up a limited quantity which we can let our readers have for \$1.50. Send cheque or money order; we'll forward the book postpaid.

Horticulture

11 Hamilton Place
Boston, Mass.

LIQUID = "NICO-FUME" = PAPER

40% Nicotine

8-lb. can	\$10.50
4-lb. can	5.50
1-lb. can	1.50
1/4-lb. can	.50

288 sheet can	\$7.50
144 sheet can	4.00
24 sheet can	.85

NICO-FUME

THRIPS, - APHIS

SPRAYING-VAPORIZING-FUMIGATING

YOUR DEALER HAS THESE PRICES

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Incorporated, Louisville, Ky.



NIKOTEEN For Spraying
APHIS PUNK For Fumigating

ASK YOUR DEALER FOR IT.

NICOTINE MFG. CO. ST. LOUIS, MO.



Guaranteed under the Insecticide Act, 1910. Series No. 321

Save your plants and trees. Just the thing for Greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrip, Red Spider, Black and Green Fly, Mites, Ants, Insects on Rose-bushes, Carnations, etc., without injury to plants and without odor. Used according to directions our standard Insecticide will prevent ravages on your crops by insects.

Non-poisonous and harmless to user and plants. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pests. Excellent as a wash for dogs and other animals. Relieves mange.

Effective where others fail.
1/2 Pint...25c; Pint...40c; Quart...75c
1/2 Gal., \$1.25; Gal., \$2.00; 5 Gal. Can., \$9
10 Gal. Can., \$17.50

Dilute with water 30 to 50 parts.
For Sale by Seedsmen and Florists' Supply Houses
If you cannot obtain this from your supply house write us direct.

LEMON OIL COMPANY, Dept. K
420 W. Lexington St., Baltimore, Md.
Directions on every package

Cocoanut Fibre Soil WAR

Does not stop the use of Humus. All seedsmen keep it in stock. It is the last word in Fertilizing Humus. Send for Prices.

20th CENTURY PLANT FOOD CO.
27 & 29 OCEAN ST., BEVERLY, MASS.



Send your business direct to Washington. Saves time and insures better service. Personal attention guaranteed. Thirty years active service.

SIGGERS & SIGGERS

PATENT LAWYERS

Box 9, National Union Building
Washington, D. C.



Unequalled for Greenhouse and Landscape Fertilizing

THE PULVERIZED MANURE CO.
31 Union Stock Yards, Chicago

SCOTCH SOOT

Where there is a house that is just full of buds almost ready to show color, nothing will turn better color into the flowers than a little soot, that can be scattered over the benches before watering. The amount applied should not be excessive, as the soot is very strong and may damage some of the foliage somewhat. Apply just enough to blacken the surface of the soil in the benches, and let it go at that. Better a little oftener than too much all at once.

We offer the genuine in original cwt. Sacks, at:
\$4.00 per 112 lbs.; \$17.50 per 560 lbs.

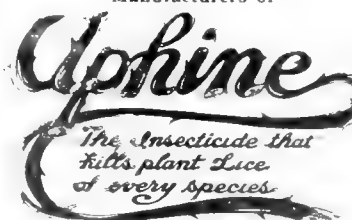
Stumpp & Walter Co.

30-32 Barclay Street, NEW YORK

THE APHINE MANUFACTURING COMPANY

Caterers to Florists and Gardeners

Manufacturers of



The Recognized Standard Insecticide.

A spray remedy for green, black, white fly, red spider, thrips, mealy bug and soft scale.

FUNCINE

An infallible spray remedy for rose mildew, carnation and chrysanthemum rust.

VERMINE

A soil sterilizer for cut, eel, wire and angle worms.

SCALINE

A scaleicide and fungicide combined for San Jose and various scale on trees and hardy stock, and various blights which affect them.

"40% NICOTINE"

A free nicotine, 40% strength, for spraying and vaporizing.

NIKOTIANA

A 12% nicotine solution properly diluted for fumigating or vaporizing.

If you cannot obtain our products from your local dealer, send us your order and we will ship immediately through our nearest agent.

Aphine Manufacturing Co.
MADISON, N. J.

GEO. A. BURNISTON M. C. EBEL
President Treasurer

Plantlife Insecticide

A tobacco preparation used by the best growers for dusting and spraying. Write for book of testimonials and prices.

THE PLANTLIFE CO

251 East 66th St., New York, N.Y.

Aetna Brand Tankage Fertilizer

Is the best balanced Fertilizer in the market, and is giving satisfactory results wherever used.

Farmers and Florists Fertilizer Company

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January 6, 1915.

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BUSINESS TROUBLES.

Hyde Park, N. Y.—A petition in
bankruptcy has been filed against Gott-
lieb F. Knauss, violet grower.

Newark, N. J.—The office fixtures,
horse and wagon, and florists' supplies
in the store of Tinney & Kugel, 41
Market street, bankrupts, was sold at
auction January 7th.

Indianapolis, Ind.—Petition for a re-
ceiver for the M. Rumely Company,
the \$30,000,000 agricultural machinery
manufacturing concern, was filed in
the United States district court here
January 19. Rumors that an effort
would be made to place the corpora-
tion in the hands of receivers, as a
means to reorganize, have been cur-
rent for some time.

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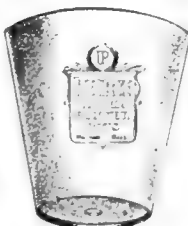
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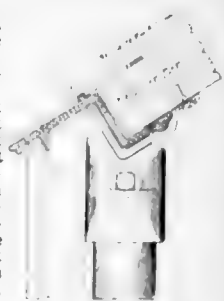
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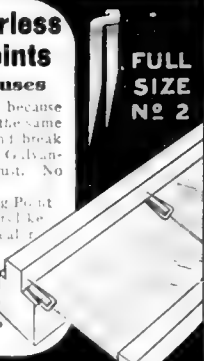
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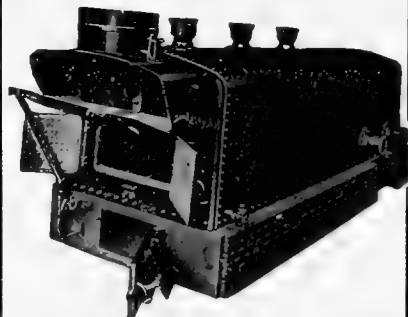
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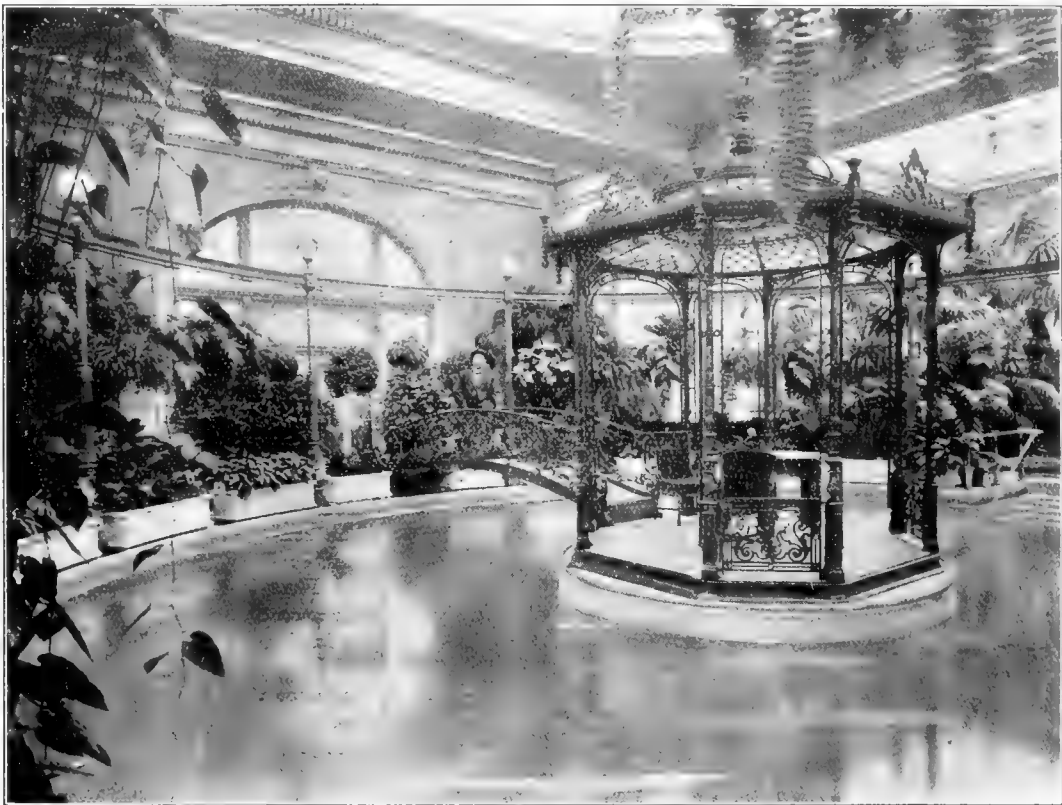
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Vol. XXI
No. 5
JAN. 30
1915

HORTICULTURE



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At the Seventh Annual Convention of the Vegetable Growers' Association of America, held in Horticultural Hall, Philadelphia, October, 1914, we had the pleasure of talking with and listening to the many earnest men who are doing so much for the advancement of the market growing industry. We were impressed with the importance and scope of the work of this splendid organization, and realized even more than before the market grower's absolute dependence for success upon selected "Seeds of Quality." The position occupied by the seedsman who undertakes to supply seed to the market grower is one of great trust. Surely his service is one based on confidence.

CONFIDENCE makes possible the commerce of the world. It is the greatest factor that enters into a purchase of seeds, because you are not buying a finished product, but only the means by which your garden will be either a pronounced success or a partial failure. Seeds—good or bad—may look the same, but how different their resulting crops! You cannot afford to risk a season's work with seeds of unknown quality.

When you buy BURPEE'S SEEDS the element of doubt is removed so far as is possible by human care. The confidence of many thousands of pleased and permanent customers is maintained by the Burpee Idea of Quality First,—“to give rather than to get all that is possible.” This confidence on the part of our customers, combined with the efficient Burpee-Service, has built the world's greatest mail-order seed business.

A careful examination of this “Blue List” should convince you of the excellence of our pedigree strains for market growers, and then a trial order—if you are not already a Burpee customer—will prove that your confidence has not been misplaced.

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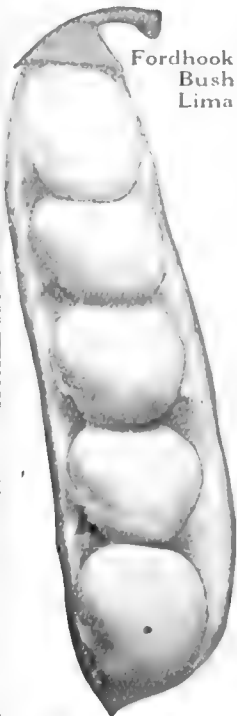
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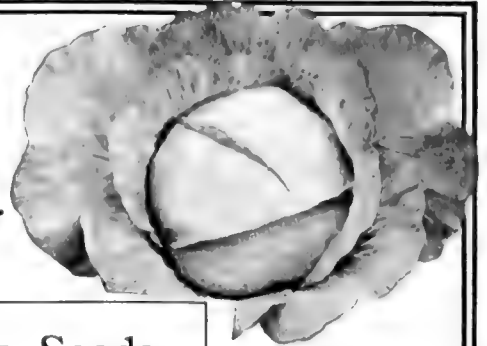
Celery,
Golden
Self-Blanching



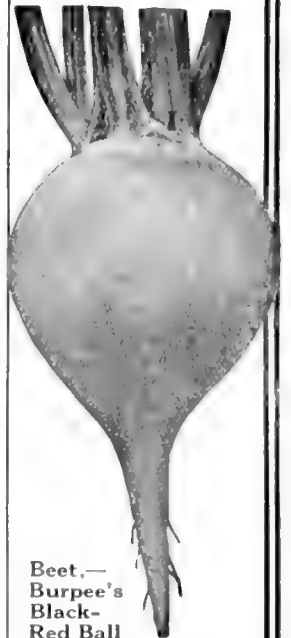
Fordhook
Bush
Lima



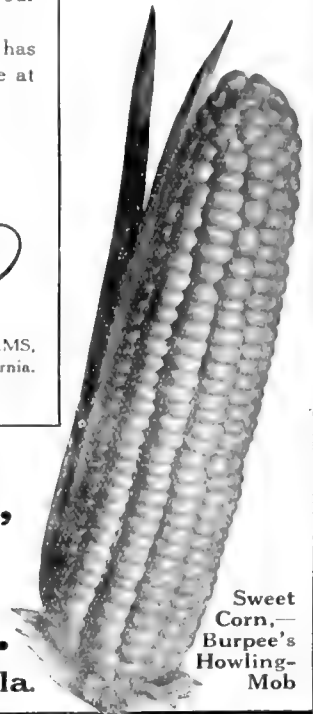
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King



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3 in.	Doz.	100	1000
3 in.	Doz.	\$0.75	\$4.00
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3 in.	Doz.	\$0.40	\$2.00 \$18.50
3 in.	Doz.	.75	3.00 25.00
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3 in.	Doz.	\$1.00	\$4.00
CHRYSANTHEMUMS, HARDY POMPON, 100 Varieties.			
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3 in.	Doz.	\$0.50	\$2.00 \$18.50
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Opheelia, Francis Scott Key and Prince E. C. d'Arenberg

Growers will find all of these valuable additions to the list of standard varieties. They have been tested thoroughly, and have been found to have exceptional value.

OPHELIA. No fancy rose ever introduced possesses so many excellent qualities. It is a splendid grower, a very free bloomer, and has fine stems. It sells on sight. The demand undoubtedly will exceed the supply. Anticipating the large demand, we have propagated it extensively. Strong plants on own roots, 2½-in. pots, now ready—\$15.00 per 100, \$120.00 per 1000.

FRANCIS SCOTT KEY. This variety, raised by Mr. John Cook, is very distinct, being entirely different from any of the indoor roses grown today. Flowers are rosy red, and are unusually large and double, resembling very much a very full, double hardy garden rose. Coupled with its large size and double form, it is an exceedingly free bloomer. It promises to be exceedingly valuable, especially for spring, summer and fall flowering, when other less double roses are difficult to handle. Its keeping qualities are remarkable. Strong plants on own roots, 2½-in. pots, now ready—\$15.00 per 100, \$120.00 per 1000.

PRINCE E. C. D'ARENBERG. This variety might well have been termed Red Killarney, as it possesses so many of the good qualities of the Killarneys. In color, the flowers are similar to Richmond, but they are much more double, and it should prove a very much more profitable rose. Flowers have fine straight stems on all the grades—from the shortest to the longest. It has fine foliage, comes away quickly, and is even a freer bloomer than the Killarneys. We believe it is the best all-round red rose that we have today. Strong plants on own roots, 2½-in. pots, now ready—\$12.00 per 100, \$90.00 per 1000.

We will be glad to quote on application, prices on all the newer and standard varieties—strong grafted plants ready in March.

F. R. PIERSON, Tarrytown, N. Y.

EVERY PRIVATE GARDENER should grow my

NEW CARNATION "ALICE"

Because its exquisite shade of clear light pink (mid-way between Enchantress and Gloriosa) charms all who see it, and where limited space counts, it will prove a boon, as it is easily the most productive Carnation I have offered to date.

Rooted Cuttings, \$2.25 per doz.; \$16.00 per 100
Pot Plants, \$3.00 per doz.; \$20.00 per 100

Order NOW to prevent disappointment, as the demand is very heavy.

PETER FISHER, - - Ellis, Mass.

MATCHLESS A GREAT SUCCESS

MATCHLESS is the best and most profitable white carnation to grow, having no equal in earliness, vigor of growth and production. It is superior in size, fragrance and keeping qualities and is non-bursting. It is a continuous bloomer and is handled with ease by any grower.

Fine Rooted Cuttings for Immediate Delivery

\$ 6.00 per 100	\$ 50.00 per 1000
112.50 per 2500	200.00 per 5000

We also offer **MRS. C. W. WARD** and **BEACON**.

\$3.00 per 100	\$25.00 per 1000
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COTTAGE GARDENS CO., Inc. : : Queens, New York

SEASONABLE PLANTS

	Per 100	Per 1000
2½-in. Asparagus plumosus	\$3.00	\$25.00
2½-in. Asparagus sprengeri	2.50	22.50
2½-in. Fuchsias, 15 varieties	3.00	25.00
2½-in. Marguerites, white & yel.	2.75	25.00
2½-in. Petunias, double, 12 kinds	3.00	25.00
4-in. Primula obconica	7.00	65.00
2½-in. Geraniums, 28 varieties	2.50	22.50
4-in. Vinca variegata	7.00	65.00
5 & 6-in. Dracaena indivisa, 20c and 25c each		

ALONZO J. BRYAN, Wholesale Florist
WASHINGTON, N. J.

When writing to advertisers kindly mention **HORTICULTURE**.

Geraniums, my selection of sorts, 2½ inch pots, all good varieties, \$15.00 per 1000.
Rose Geraniums, 2½ inch pots, \$2.00 per 100.
Achyranthes, 2½ inch pots, \$2.50 per 100.
Asparagus Sprengeri, 2½ inch pots, \$2.50 per 100. 3 inch pots, \$3.00 per 100.
Fuchsias, 2½ inch pots, \$1.50 per 100.
Feverfew, Little Gem, 2½ inch pots, \$2.00 per 100.
Vincas, 2 inch pots, \$3.00 per 100.
Alternantheras, red and yellow, rooted cuttings, 50c. per 100.
Coleus, Golden Bedder, Verschaffeltii and mixed, rooted cuttings, \$5.00 per 1000.

CASH WITH ORDER

J. E. FELTHOUSEN
151 Van Vranken Ave., Schenectady, N. Y.

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All the Best Commercials
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POMPONS, SINGLES AND ANEMONES

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John Shrinpton, Nagoya, Patty, Unaka, Chrysolora.

\$3.00 per 100; \$20.00 per 1000.

Early Snow, Glory Pacific, Harry May, Jennie Nonin, Money maker, Major Bonaffon, Polly Rose, Pacific Supreme, Robt. Halliday, Smith's Advance, White Bonaffon.

\$2.00 per 100; \$15.00 per 1000.

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FISHKILL, N. Y.

CARNATIONS

F. DORNER & SONS CO.
LA FAYETTE, IND.

CYCLAMEN

Best strain in existence.

4 inch	\$35.00
3 inch	50.00
4 inch	75.00

THOMAS ROLAND, Nahant, Mass.

ORCHIDS

Established Plants and Freshly Imported

Julius Roehrs Co.
Rutherford, N. J.

FERNS for DISHES EXTRA STRONG

\$3 per 100, \$25 per 1,000, 500 at 1,000 rate.

Watch our future advertisements

ERNEST OECHSLIN

Gale Ave. and Madison St., RIVER FOREST, ILL.
Nine miles from Chicago.

BOSTON FERNS 2 ½ in. \$3.00 per 100, \$30 1000

ROOSEVELT, 2 1-2 in; \$5 per 100, \$40 per 1000.

WHITMAN COMPACTA 2 1-2 in. \$5 per 100, \$40 per 1000.

250 at 1000 rates.

H. H. BARROWS & SON, Whitman, Mass.

NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil."—*Pope*.

Care of Carnations

At this time of the year do not do too much stirring of the surface of the soil or of the old mulch either, as you will find them full of feeding roots and they don't want to be disturbed. Lots of young weeds will be starting up and, as soon as they are large enough to pull, they should be pulled. Most weeds are gross feeders and will rapidly impoverish the soil. Instead of leaning toward the dry side, step over and lean toward the moist side from now on, except of course, in case of a spell of cloudy weather. There are many reasons for this. In the first place, the plants are thoroughly established; then again, the soil is filled with plenty of working roots and will dry out quicker, thus eliminating the danger of souring. Look over the south edges of the beds carefully on the bright mornings and water wherever the soil is not quite moist. In fact, the whole beds will enjoy more liberal watering than during the past three months.

Early Asters

To have asters for Memorial Day they should be sown from the first to 15th of February. Sow in any light mixture and keep moist until they germinate. When they are up they will want a place well up to the glass, where they will grow into nice sturdy stock. When large enough they should be pricked out into other flats and grown on. They will need a temperature of from 50 to 55 degrees at night. When they are large enough they can be planted out in a bench and kept at the same temperature mentioned above. Give plenty of fresh air and on bright days a good syringing to keep down red spider. The best to grow is Queen of the Market.

Euphorbia Jacquinæflora

After the flowers are cut keep the plants somewhat drier, but do not dry off as severely as you would poinsettias. To secure really fine sprays for cutting, plants set out in a box or bench, where they can be rested, are the best, or old plants after blooming can be packed close together in boxes and kept on the dry side until the end of April. Do not place them in too cool a house; they should have a temperature of not less than about 55 degrees at night. By the end of April they can be potted and placed in a temperature of about 60 to 62 degrees and they will soon make some nice cuttings. Soft-wood cuttings rubbed off with a heel will root readily in May and June, treated similarly to poinsettias. Pot off singly when rooted and if salable plants are desired, put five to seven in a 6-inch pot or pan.

Next Week. Care of Sudax Beds; Cyclamen; Chrysanthemums; Jerusalem Cherries; Orchids; Watering.

They will want one or more—possibly three—pinchings. If wanted for cutting, of course no pinching is needed.

Geraniums

While increasing the stock of zonal bedding varieties, do not overlook the popular scented-leaved kinds. Every purchaser each year wants a few of these, and the old rose, apple, lemon, nutmeg and similar sorts are useful. Propagation of geraniums should now be pushed right ahead. The sand in the cutting bench is steadily warm at this season and the percentage of loss from damping off should be small. If the cuttings are inserted singly in 1½ and 2-inch pots, using sandy loam, and stood on a bench in the full sun where they can also have some bottom heat, they should be making roots within a month. It will be necessary now to keep a sharp watch on the plants in pots. It is easy to spoil them by neglecting needed potting. I do not believe in large shifts. A plant put into a 4-inch pot from a 2-inch or 2½-inch size may do well if carefully watered, but it would be more certain to thrive if first potted into 3-inch size. A common error is to give generous shifts of too large a nature. Give plenty of ventilation on all good days.

Sow Candytuft and Stocks

Both these plants are becoming great favorites for spring use as cut flowers and also as pot plants around Memorial Day. It is a good plan to make several sowings from now up to the middle of March. Sow in flats in a compost of leaf mold, soil and sand in equal parts. Place them where they can be shaded and kept moist, in a temperature of 60 degrees until they start to come up. When they are well up they should be placed in a house where the temperature does not stand over 55 degrees at night. Just as soon as they are big enough to handle they should be pricked out into other flats and out of these they can be potted into 2½-inch. Keep shifting until you have them in 4 or 5-inch pots, using a rich compost for the last shifts.

Pansies, Myosotis, Pinks, Etc.

Frames containing all this kind of stock, should be held in a frozen state for a while yet. If uncovered and started too early they will make some growth which is liable to perish by the next onrush of severe frost. It should be made a point in frame culture of all this kind of stock, not to expose hard frozen stock to prematurely warm weather too quick. Pansies for late sales sown now will make nice sturdy plants by the end of April.

BOOM YOUR BUSINESS

by advertising your goods in the

Horticulture

Publicity among the kind of readers reached by this paper is THE SORT OF PUBLICITY THAT PAYS.

ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur C. Ruzicka

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

Care of Outside Roses

Every now and then during the winter months it is advisable to look over the beds of all outside roses and see that mice are not at work eating off the roots of the plants, and girdling them around the bottom. This is very unlikely to happen where the plants are mulched with well decayed manure. Should any mice be in evidence there are one or two ways to try and poison them. We find that there will be little damage done in this respect when there is only little snow. It is only when snow lies deep that these little rascals live on the bark of the various trees and shrubs.

Rooting Ramblers

If you are short of certain varieties time can be gained by taking a lot of cuttings now, cutting them carefully into pieces about 5 inches long, being careful to use a good sharp knife. If pruning shears were used, these would not cut smooth enough, and a good many cuttings would be ruined as a result. After these are made, put into flats filled with a mixture of half loam and half sand. With a little attention regarding watering, these cuttings will root easily, and then they will grow to a good size before next fall. If cuttings are not put in until spring, they will not grow into good size plants the first year, and where a little space in the greenhouse can be spared, this is one way to make the most of it.

Mulching

With no promise of clear weather for some time to come, we would not recommend mulching the plants very heavily. However they should not be allowed to suffer for want of a coarse protective mulch all along the benches. We generally apply this wherever it is needed, not mulching the whole house, but merely all the bare places. We find that an occasional dusting of bonemeal, and liquid manure as the plants need it will take care of the plants much better, and the houses are much easier to handle than when a heavy mulch is applied. Keep enough rough material on the surface of the benches so that all the water will stay "put" when it is applied.

Soot

A little of this applied every now and then will go a great ways in giving an additional color to the roses, and should be applied about the time the buds are beginning to show color, and then again when the plants are beginning to break forth. Do not apply too much

of it at once, for not only would it be wasted, but harm to the plants may result. Apply just enough to blacken the surface of the benches. If lime had been used only a short time before better delay the application of soot until the lime is fairly well gone. If lime and soot should come together while the lime is still active, the lime will free a large amount of the ammonia in the soot, and this is likely to damage the foliage, if not the blooms on the plants. If liquid manure is used the soot can be added to this, but as we generally have some houses that will take liquid but will not take soot, we prefer to apply it dry to the benches and then water it in.

Lime

Houses that have become quite soft because of the warm dull weather we have had in the vicinity of New York the last two or three weeks, will be helped if they get a light dusting of fresh air slacked lime. A little experience with this will soon enable the grower to tell just when to apply it. Do not use ground lime stone. This may be all right for outside or for sod-heaps when muck is used, but for general greenhouse and garden use, it is far too slow in action. In the rose house, more than anywhere, we need prompt action, and good fresh home slacked lime will be the best to use. We buy it locally by the barrel, and slack it by sprinkling a little water into it. After it cools it is ready to use. In sprinkling be very careful not to use too much water or the lime will be damp when you come to use it, and although this may be better for handling it when applying it to the benches, it will prove useless for dusting and blowing under the plants after watering or syringing. Do not get too much of it slacked at one time, for if the lime lays down in the cellar unused, it will get damp and lose some of its strength. It may also form into lumps, and it would then be quite useless.

Disbudding

There will be quite a crop coming on now in a great many houses, and this operation should not be neglected in the least, or the stock will be just a little bit off quality. Try and get all the energy of the plants into the flowers, and not waste any on useless buds. This should be done about twice a week. Go over the plants carefully, as doing these things by halves does not pay. While disbudding, keep an eye open for spider, and also for dry spots in benches, and for plants that may be all cut off. The latter should receive a handful of lime, and then look out for away when wintering, as these plants need it very bad.

HORTICULTURE'S NEW HEADQUARTERS

On and after February 1st, the address of Horticulture Publishing Company will be 147 Summer Street, Boston. Convenient to Wholesale Flower Trade Centre.

AMERICAN CARNATION SOCIETY

Annual Meeting and Exhibition Held in Buffalo, January 27th and 28th—St. Louis Selected as Next Meeting Place—Officers Elected Unanimously.

The meeting and exhibition of the American Carnation Society at Buffalo was a pronounced success in every respect. The weather was propitious and all exhibits arrived on time and in excellent condition.

The exhibition was certainly the best in the history of the society as to quantity and quality. The attendance was very representative from all sections.

Opening Session.

The opening session on Wednesday evening at 8 P. M. in the Iroquois Hotel was well attended. After a few preliminary words of welcome, President Goddard read his annual address.

PRESIDENT GODDARD'S ADDRESS.

Gentlemen, Fellow Members: As the twenty-fourth President of the American Carnation Society it gives me pleasure to welcome you at this convention in the City of Buffalo.

Official Efficiency.

To Vice-President Anderson and the local Florists' Club are due the thanks of the Society for their untiring efforts in working to make our convention the success I am sure it will prove to be. To Secretary Baur are also due the same appreciation and confidence of the Society. No member except he be an officer can form any idea of the amount of work the secretary has to perform. The Carnation Register that Mr. Baur and Mr. Dörner are compiling will be of inestimable value to the society in years to come and I hope that some action will be taken at their completion looking toward the preservation of these records, to protect them from fire or other such destructive causes.

Silver Anniversary.

Next year our Society enters upon its quarter century of existence, a period showing achievements performed never dreamed of by its founders, and I would suggest that suitable recognition be taken of this event; something added to the premium list that would make it noteworthy could well be accomplished.

Inadequate Membership.

Previous presidents have called attention to the small membership in our society as compared to the hosts engaged in growing carnations, but no specific way has ever been devised or recommended whereby we have been enabled to increase our membership to any extent. Thousands are engaged in growing carnations commercially, either as a side line or specialty, and I am sure that we can get our due proportion if we have some influential members to personally present to these growers the benefits they and we jointly shall derive by their joining with



SAMUEL A. GODDARD
President American Carnation Society

the Carnation Society. Why not appoint one member in each state or section of the country, whose duty it shall be to induce all who are eligible, to become members? Let us all endeavor to help increase the membership to at least 500 on our Silver Anniversary.

Guaranteed Stock.

The American Carnation Society is recognized as the best managed special floricultural society in this country; its influence is far reaching and I am of the opinion that some pressure should be brought to bear on disseminators of carnations whereby they will be induced to use greater care in selection of stock. I know they are obliged to handle thousands of cuttings when sending out a novelty as the demand for a winner is tremendous. Nowadays, on nearly every new variety we invest in, we get 25 per cent. of unhealthy stock which either throw semi-double, curly, or off-colored flowers. If the introducers cannot meet the demand at present prices, why not set a price whereby they can meet them and give us guaranteed stock? I believe we should demand guaranteed stock in carnations as we do on insecticides or fertilizers.

The Popularity of the Carnation.

The carnation has been under a very severe test this season, much more so than during any previous year. Some growers claim that it is losing its popularity with the flower-buying public. I cannot agree with this view. The carnation is as popular as ever if not more so. It is still "Everybody's

Flower," and if it is put on the market or into the buyer's home as fresh as possible it will not be replaced by any other flower. It often happens that blooms are old when they are cut, and are ready for the ash barrel instead of the drawing room. It is in our own province to make or destroy the popularity of the carnation.

Honorary Membership.

Some few years ago the Society had an honorary membership list. For some reason or other this has been dropped and I would recommend that the names originally on the list be again added, or if this cannot be done under our present rules, that the by-laws be amended, incorporating a plan for honorary memberships.

Assistant Judges.

Another recommendation I would like to make is that assistant judges be appointed to serve with our regular judges. Oftentimes some regular judge is absent and an outsider has to be called in to take his place. If assistants were in attendance they could take the place of absent members or, in case of a dead-lock, as often happens, they could be relied upon to give sound judgment based upon practical knowledge gained while serving with experts. We all can judge by comparison, but it takes the expert to score on points, the new varieties that are entered for the American Carnation Society and other medals.

Affiliation.

You will be called upon at this meeting to consider the question of affiliation with the Society of American Florists, to accept or reject membership on the board of directors of that Society, and I earnestly hope that every member who has views on this vital subject will express them at this time.

In closing I wish to express my thanks to the trade press for the many courtesies extended to the officers of the Society during the past year. To the members of the Society who have shown such enthusiasm in our exhibition by setting up such a magnificent display of carnations, I extend my sincere thanks. Our Society cannot but prosper while the members continue to back up its officers the way they have done here at Buffalo.

Next came the reports of the secretary and treasurer.

SECRETARY BAUR'S REPORT.

We are pleased to report a substantial increase in the membership this year, there being now 318 annual members and 12 life members enrolled and in good standing. During the past year there have been added 38 new members in addition to 13 delinquents who have been reinstated under the plan adopted in 1912. After deducting

those who are now delinquent for the year 1913, we have a net increase of 33 over last year.

We have collected money as follows:

Dues	\$671.00
Advertising	145.44
Dorner Memorial Fund	5.00
Miscellaneous	44.23
Total	\$865.67

All of which has been turned over to the treasurer and his receipt taken therefor, except \$121.68, which came in while the audit was being taken. The \$5.00 collected for the Dorner Memorial Fund, was transferred to the general fund, to replace a part of the amount taken out of that fund, to make up the even thousand needed to draw \$40.00 interest per annum.

The books of the secretary and treasurer were audited by a professional accountant, as has been customary. The auditors' report will follow the reading of the treasurer's report and we are pleased to note that he found the books in first class order and the society's funds sound and in very good shape. All bills are being paid promptly and no accounts have been lost, except from delinquent members.



A. F. J. BAUR,

Secretary American Carnation Society

The annual report was issued and distributed on schedule time, and the same is true of the program and the schedule of premiums for this meeting. We secured 22 pages of advertising for this schedule, which we consider very good, considering that this advertising had to be solicited just when the worst of the present business depression was on.

Twelve seedling varieties and three sports have been registered since the last annual report was issued. Besides these, the Perpetual Flowering Carnation Society of England reports sixteen registrations. A system of exchanging registrations at frequent intervals has been adopted by the secretaries of the two societies, with a view to prevent duplication of names, but there has as yet been no way found to prevent sports which are identical from being given different names in this country and Europe. In time, when the new varieties will be imported as well as exported, this prob-



S. A. ANDERSON,

Vice-President American Carnation Society

lem will present itself for solution. At this time, what confusion there is, is all on the other side, as few European varieties have thus far found their way over here. Suggestions for handling this situation will be in order.

We are still working on the carnation register. We are pleased to report that while our present plan for gathering data entails considerable labor, it is bringing results. It will be only a question of time and the register will be as complete as it can be made at this time, and all the data will be authentic. We wish here to thank the trade press for assistance in this work, especially in locating parties who have moved away from the addresses from which the registrations were made.

The arrangements for this meeting were planned along the same lines as were followed last year at Cleveland, and with the same degree of success. The local committee took hold with a will and has done its part splendidly. To our worthy vice-president, Mr. Anderson, is due especial credit. To the growers who supplied the blooms used in the table displays, is due the so-



IROQUOIS HOTEL.

Where Meeting and Exhibition Was Held.

ciety's thanks. The splendid success achieved, so far as we have gone with this department, should stimulate expansion and if the exhibits could be diversified in a practical manner, it would be well to do so. We would like our retail members to offer suggestions along this line.

The Board of Directors held its usual meeting immediately after the last convention; also the regular mid-summer meeting at the S. A. F. & O. H. meeting place, which took place at Boston, Mass., on August 22nd.

At the Boston meeting, the secretary was instructed to purchase whatever blooms might be needed for the table displays, in addition to those secured from the disseminators of new varieties. Blooms of three varieties were purchased, with the idea of having the retail displays cover about the same range of colors as is found in our Section A.

As per arrangements made with the New York Florists' Club, we took charge of the entries and the staging of the carnation section of the International Flower Show, held in New York, March 21-28, 1914. A splendid exhibit of carnation blooms was staged



F. E. DORNER,

Treasurer American Carnation Society by both commercial growers and private gardeners, the large groups, covering 150 square feet of space, being the finest arrangements of carnations ever seen in this country. A report of the awards will be read at this meeting.

TREASURER'S REPORT.

GENERAL FUND.

Expenses	
Orders on Treas. paid	\$1,351.26
Balance cash on hand	630.58
	\$1,781.84
Receipts	
Jan. 20, 1914. Cash on hand	\$780.04
Cash received	1,001.80
	\$1,781.84

PERMANENT FUND.

Jan. 20, 1914. Balance	\$2,624.11
Jan. 1, 1915. Interest	166.00
	\$2,790.11
Interest transferred to gen'l fund	866.00
Balance invested at	630.58
	\$2,790.11

RECEIPTS		
Jan. 20, 1914, Balance	\$1,001.43	
Jan. 1, 1915, " "	19.11	
	\$1,020.54	
Transferred to " " " "		
Paid, Meigs, & Co., " "	\$10.00	
Balance, " " " "	1,010.54	
	\$1,041.54	
F. E. DORNER, Treas.		

Invitations for next year were presented from the National Flower Show Committee, plotting a show for carnation premiums and from St. Louis by J. F. Ammann and from Indianapolis.

Nomination of Officers.

Joseph Hill of Richmond, Ind., was nominated for president, J. F. Ammann for vice president, A. F. J. Baer for secretary and E. E. Dörner for treasurer, all unanimously; C. S. Strout and Eugene Dailledouze for directors and R. Witterstaetter and W. J. Palmer for judges.

In the discussion as to the relative merits of cuttings taken from various parts of the flower stem, Messrs. Fisher, Dörner, Dailledouze, Johnson, W. R. Pierston, Hill, Herr and others participated.

Judges Report.

The judges made their report on the awards as follows:

Section A, Class 1, Cott. 25, Gardens Co. with Matchless, C. S. Strout, Matchless, Class 2, A. A. Pembroke, with Pink Delight, C. S. Strout, Pink Delight, Class 3, A. Roper, with A. A. Coombs, S. J. Goddard, Glorious, C. S. Strout, Cottage Gardens Co. with Mrs. Ward, A. N. Pierson, Philadelphia Pink, Class 4, Mr. Greenwood Cemetery, with Ross, C. S. Strout, E. G. Hill Co., with Chetani, E. Dörner & Sons Co., Champion, Class 7, E. G. Hill Co., with Pochontas, A. A. Pembroke, Princess Dagner, Class 8, E. G. Hill Co., with Yellow Prince, E. F. Dörner, ditto, Class 9, C. S. Strout, with Benor, Pembroke, ditto.

Section B, Class 12, John Nelson, A. A. Pembroke, Class 13, J. A. Nelson and A. A. Pembroke, Class 14, A. A. Pembroke, with Matchless, S. J. Goddard, White Enchantress, Class 15, Pittsburgh Cut Flower Co., Ernest Saunders, Class 16, A. A. Pembroke, John Nelson, Class 17, E. A. Richards, Gude Bros. Co., Class 18, S. J. Goddard, A. A. Pembroke, Class 19, Pittsburgh Cut Flower Co., with Winsor, Class 20, C. S. Strout, W. J. Palmer, Class 22, A. A. Pembroke, S. J. Goddard, Class 23, A. A. Pembroke, with Gorgeons, Class 24, C. S. Strout, Ernest Saunders, Class 25, A. A. Pembroke, with Champion, Pittsburgh Cut Flower Co., with Comfort, Class 26, C. S. Strout, Ernest Saunders, Class 27, A. A. Pembroke, with Dagner, Class 28, J. A. Nelson, A. A. Pembroke, Class 29, A. A. Pembroke, S. J. Goddard, Class 31, S. J. Goddard, with Yellowstone.

Section C, Class 34, A. A. Pembroke, C. S. Strout, Class 35, A. A. Pembroke, S. J. Goddard, Class 36, C. S. Strout, A. A. Pembroke, Class 37, A. A. Pembroke, J. Goddard, Class 38, A. A. Pembroke, Pittsburgh Cut Flower Co.

Section D, Silver medal to A. Roper for Alice Coombs, S. A. F. Silver medal to A. Roper for seedling, Bronze medal to Bassett & Washburn, for Belle Washburn, Dörner gold medal to E. G. Hill Company for Alice Coombs.

The Hitchings cup was given to Cottage Gardens Company, with Matchless.

Section E, Class H, Certificates of merit to Ed. Winkler, Wakefield, Mass., for Morning Glow, and to Littlefield & Wyman, North Abington, Mass., for Miss Theo and for a seedling.

From the foregoing it will be seen that the New England carnation growers cleaned up the great majority of the premiums, and the varieties winning high honors were very largely those of New England origin.

The allied interests had some very attractive displays, among which were *Buddleia asiatica* from S. J. Goddard,

ferns, orchids, etc. from W. A. Mandala, begonias and cyclamen from J. A. Peterson, sweet peas from A. J. Staehlin, Detroit and Jerry Brookings of Orchard Park, N. Y., new roses *Opheila* and *Hoosier Beauty* from E. G. Hill, Rose *Opheila*, d'Arenberg, Killarney Brilliant and Francis Scott Key from F. R. Pierson.

The retail dealers of Buffalo displayed nine decorated tables, showing exquisite taste in carnation arrangement. For the general good of the carnation interests, no names were given of prizes awarded. The vases of carnations generally were enclosed in Ever Ready Flower Pot Covers with good effects. Fred Lautenschlager was present with photographs and arguments in behalf of Kroeschell boilers.

THURSDAY MORNING'S SESSION.

At the Thursday morning session, the committee on recommendations on president's address reported, and action resulted in a vote to signalize the twenty-fifth anniversary of the society by special inducements to the retail trade to boost the interests of the carnation. Disseminators of new varieties were asked to use utmost care in the selection of cuttings.

St. Louis Next Meeting Place

A lively discussion took place regarding the next meeting place, resulting in the selection of St. Louis for the regular meeting in January and a vote of enthusiastic support for the National Flower Show in Philadelphia in March in addition. The recommendation of exchange registration with the Perpetual Flowering Carnation Society of England was approved.

Election of Officers.

The nominees for various offices were elected unanimously. C. S. Strout was elected director, Mr. Dailledouze having declined, and all the other officers as recorded nominated were elected. The affiliation proposition with the S. A. F. was unanimously approved.

During the hours allotted to public admission, the exhibition halls were crowded to the limit. Thursday afternoon was devoted to a visit to W. J. Palmer's place at Lancaster, and Thursday evening was given over to the banquet, of which we shall publish a full report next week.

MODERN CARNATION PRACTICE.

Editor, HORTICULTURE:

Will you kindly answer through HORTICULTURE at your earliest convenience the following questions on carnation culture?

Is hard wood ashes the best thing to use for producing long, stiff stems, and what effect, if any, does it have on the flowers?

Wood ashes are not the best material for producing long, stiff stems. It has a tendency to help stiffen stems but not to lengthen them. I find wood ashes will hurt the color on colored varieties of carnation if not used with care.

I have one bed 85 ft. long and 5 ft. wide; what would be a fair dressing of the ashes, about the rows, across the bed this width?

One 3-inch pot should be sufficient, if spread evenly over the surface not oftener than every eight weeks.

What is the best preparation for improving size of blooms?

Half-rotted cow or pulverized sheep manure.

My plants have plenty of foliage, but few flower stems yet, so far, developing; how can I improve this condition?

What would be a fair weekly cut per 100 plants, at this time, from stock benched in October of September?

My plants were benched first two weeks in September, compost 1:3 rotten manure and 2:3 soil. My houses are lofty and the light is good. I give air on bright days at 60 degrees, but in cloudy, dull weather I let the houses go to 65 to 70 degrees. I spray each week with Fungine to protect with Aphid for aphids, spider, etc. About twice a month I dust plants freely with lime, at the same time giving 3-inch pot of ashes between 5 ft. rows, the presumption being that the ashes are mixed into the soil when I syringe off the lime next day.

Up to this date I have given a little sheep manure once, and a light dressing of bone meal twice, by way of feeding. My plants seem to grow well enough, but so far are not giving much of a crop; and while the flowers I get of Northport, White Wonder and Enchantress are of satisfactory size, the stems are not what I would like to own. Please tell me where I am at fault.

GROWER.

New York.

Plant in July instead of September. This will give better results than any other form of treatment. From September planted stock the cut naturally will be very light in January.

The proportion of manure you have used should be sufficient on your late planted stock without mulching until February. The temperature you must reverse and try 50 to 52 at night, 55 to 58 on cloudy, 65 to 68 on clear days. Regulate by the sun. Try to imitate nature by getting your night temperature as the sun goes down and in the morning the same. Through the winter months get it rising slowly as it grows light.

Discontinue using spraying mixtures for rust. You are spreading instead of preventing. Keep the foliage as free from moisture as possible. This you will find is the only preventive for rust. Only syringe when necessary, sufficient to keep spider and thrips in check. Do this early on bright days with plenty of ventilation on the roof, so as to help dry the foliage as soon as possible.

Don't dust your plants with lime after the middle of October. Don't use wood ashes more than three times during the winter. Discontinue using bone meal entirely. I don't believe carnations need it; it will make them split during dark weather.

S. J. GODDARD.

Framingham, Mass.

The monthly meeting of the Tarrytown Horticultural Society was held Wednesday evening, Jan. 20th. A large attendance of the old members was on hand to welcome the new president, Wm. Jamison, who presided. As the monthly prize was to be awarded for the best flowering plant a good many well grown plants were exhibited, *A. Weeks* capturing first prize with a fine specimen *Chorizema coradatum splendens*. Some very good primulas and cyclamens was shown by J. Elliott, T. Morris, G. McIntosh and W. Jamison. H. Nichols was awarded certificate of merit for seedling *dracaena* "Glenview," a cross between *amabilis* and *terminalis*. A very lively discussion followed the examination of exhibits by J. Bradley, J. Mooney, T. Morris, Wm. Scott and other members of the society.

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HORTICULTURAL SOCIETY OF NEW YORK.

The January Exhibition of the Society was held on Wednesday, the 20th, at the American Museum of Natural History. The larger attendance of gardeners was very gratifying, this perhaps being due to holding the exhibition on Wednesday, instead of Saturday. There was a good display of flowers, especially of orchids. Two of the most attractive exhibits were made by Mrs. F. A. Constable, James Stuart, gard. One of these was a vase of cut blooms of *Buddleia asiatica*, tastefully arranged, and making a striking display; the other, near it, a vase of *Plumbago coccinea*. The pure white flowers of the *Buddleia* made a striking contrast with the bright red blooms of the *Plumbago*. The displays of cut orchid blooms by Lager & Hurrell and Mr. Clement Moore were exceptionally fine.

The next exhibition will be held at the same place on Wednesday, February 17th. Prizes are offered for cut

orchid blooms, roses, sweet peas, schizanthus, antirrhinum, freesias and narcissus. Prizes may also be awarded for other interesting and worthy exhibits not provided for in the schedule. Schedules will be sent on application to the secretary, George V. Nash, New York Botanical Garden, Bronx Park, N. Y. City.

A meeting of the Society was held at 3.45, followed by a lecture at 4 by William N. Craig, on "A Year's Vegetable Supply from the Home Garden." This was listened to by over a hundred people, and proved one of the most successful lectures ever given by the Society.

Following is a list of the awards made at the exhibition of January 20:

A vase of 100 fine carnation blooms gave the first prize to Scott Bros.

A new carnation, "Hyde Park," exhibited by Joseph Sakowich, was awarded a bronze medal.

In the class for 12 white carnations the first prize went to Mr. Geo. D. Barron, Jas. Linane, gard.; the second to Mr. P. G. Reid, A. W. Golding, supt. A fine vase of 12 *Enchantress* shade secured the first prize for Mr. Adolph Lewisohn, John Canling, supt.; the second going to Mr. D. G. Reid. In the class for Winsor shade, a vase of 12 exhibited by Mr. John I. Downey, Thos. Ryan, supt., won second, the first not being awarded. D. G. Reid also won first for a vase of 12 Mrs. C. W. Ward shade. For 12 dark pink carnations Mr. Lewisohn was awarded first; Mr. Reid, second. Vase of 12 scarlet brought the first to Mr. Lewisohn; the second to Mr. Reid. Mr. Reid also won first for a vase of 12 crimson. Vase of 12 blooms variegated, won first for Mr. Lewisohn. Vase of 50 blooms, one or more varieties, arranged for effect, D. G. Reid, first; Frederick Sturges, Thos. Bell, gard., second. 100 sweet peas, Mrs. F. A. Constable, first. Schizanthus, Adolph Lewisohn, first. Collection of orchid blooms, Lager & Hurrell, first; Clement Moore, J. P. Mossman, gard.,

second. Collection orchid blooms, Mrs. F. A. Constable, first.

Special prizes were awarded as follows: G. D. Barron, vase of mignonette, cash; H. Fred Byxbee, four vases *Daphne odora*, certificate; Frederick Sturges, vases of miscellaneous flowers, cash; T. D. Leonard, E. Yeandle, gard., vase of *Freesias*, cash; Mrs. F. A. Constable, vase of *Buddleia asiatica*, certificate and cash; and vase of *Plumbago coccinea*, cash; Mrs. H. Darlington, P. W. Popp, gard., for new variegated carnation "Mrs. Darlington," honorable mention; G. E. Baldwin & Co., for fine plant of *Cattleya Trianae*, silver medal; Clement Moore, for collection of orchid plants, silver medal and cash; R. & J. Farquhar & Co., for plant of *Azalea Kaempferi*, silver medal.

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S. BRYSON AYRES CO.

"Renowned Sweet Pea Specialists"

MUNNYSLOPE, INDEPENDENCE, MO.

Burpee's Seeds
 PHILADELPHIA

BLUE LIST OF WHOLESALE PRICES
 MAILED ONLY TO THOSE WHO PLANT FOR PROFIT.

GARDEN SEED

BETTER, CARROT, PARSNIP, RADISH and GARDEN PEA SEED in variety; also other items of the short crop of this past season, as well as a full line of Garden Seeds, will be quoted you upon application to

S. D. WOODRUFF & SONS 82 Day St., NEW YORK
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SEEDS FOR PRESENT PLANTING

BEGONIAS, ANTIRRHINUMS, STOCKS, LOBELIAS, VERBENAS, ETC.

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32 So. Market St., Boston.

MY NEW LIST OF

Winter Spencer Sweet Pea Seed

Has been mailed. If not in your hands now, send a postal for it.

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 Lompoc, Cal.

S. S. SKIDELSKY & CO.
BULBS, PLANTS and SEEDS

1218 Betz Bldg., Philadelphia
 Catalogue on application

It is our BUSINESS to supply you with

SUPERIOR GLADIOLI

JOHN LEWIS CHILDS
 FLOWERFIELD, L. I., N. Y.

97th YEAR

J. BOLGIANO & SON

Wholesale Garden and Field Seeds,
 Onion Sets, Seed Potatoes
 GROWERS OF PEDIGREE TOMATO SEEDS
 BALTIMORE, MD.

THE BUGS ARE BUSY

NICO FUME LIQUID and PAPER

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1 Gal. Can. \$10.50 1/2 Gal. Can. \$5.50
 288 Sheets Paper 7.50
 111 Sheets Paper 4.00

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ALEX. McCONNELL611 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Cost of Cables Foreign Dealers
Must be prepaid

Reference or cash must accompany all orders from unknown correspondents.
Cable Address, ALEXCONNELL.

G. E. M. STUMPP

761 Fifth Ave.

NEW YORK CITY

Member Florists' Telegraph Delivery Asso.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or Telegraph

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Telephone 1552-1553 Columbus

Established 1874

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N. E. Cor. 44 St. & Madison Avenue, N. Y. City
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Flowers shipped on all Steamers. Special Correspondence in all the large cities of Europe and the British Colonies. Telegraph and Cable address, Dardsflor

A. T. BUNYARD

NEW YORK

413 Madison Avenue at 48th Street.

Also Newport, R. I.

We Guarantee Satisfaction

MEMBER F. T. D. A.**Myer**

NEW YORK

609-611 Madison Ave.

Cheapest cut flowers and designs for all occasions. Steamer and other flowers a specialty.

Member Florists Tel. Delivery. Wire Me Your Orders

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42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

FLOWERS delivered promptly in Buffalo, Niagara Falls, East Aurora, Lockport, Tonawanda, Lancaster and other Western New York cities and towns.

*Palmer's*304 Main Street
BUFFALO, N. Y.

Members Florists' Telegraph Delivery Association

RANDALL'S FLOWER SHOP

HARRY I. RANDALL, Proprietor

Phone: Park 94

13 PLEASANT ST., WORCESTER, MASS.

Member Florists Telegraph Delivery Association

Of Interest to Retail Florists**THE RETAILERS' BUSINESS CALCULATOR.**

Jan. 30. Sat. Check up accounts for this first month of the new year and know just where your business stand. The talent for making money is just as much a talent as is the talent that turns every sentence to rhyme and every sound to music and close systematic accounting is one of its first principles.

Jan. 31. Sun. Hustle with those orders and get home. Take along some of your stock in trade—a few smiles, a little courtesy, a display of appreciation and a few flowers. The basis of a personality that attracts is a spirit that wins other men because it has a desire to add to their comfort and happiness.

Feb. 1. Mon. No captain can guide his ship from the shore. So it is with the merchant, who must be "right on deck" every day of the week, if he would conduct his business properly. When a business is said to run itself, it is generally the result of the force of gravitation. Gravity is always downwards. Advertise a specialty for the week. The general public knows so little about commercial varieties that if one particular variety of rose or carnation be advertised it will often attract attention as a novelty, even if it be old to the trade.

Feb. 2. Tues. When one expects little he is seldom disappointed. Enthusiasm is the fuel of success so supply plenty of fuel for your business. If these are dull times, all the more incentive for making one's establishment look like prosperity. If the demand is dull, remember also that the novelty of the supply often creates a new demand.

Feb. 3. Wed. Growers and wholesalers all over the country are finding cause for the formation of credit associations. It is time to get some more system into the trade. The good and efficient flower merchant will certainly have no reason to fear the results of a local credit association. The obliging man is popular, and he is also imposed upon. It works either way, wholesaler or retailer. Don't be in the same class with those people who have to be run down in order to make them pay up. Good intentions are poor collectors, so it usually takes energetic efforts to get the coin.

Feb. 4. Thur. Many florists act as though it was up to the public to find them. They have that hunt-me-if-you-want-me air that is gradually relegating them to the business junk heap. Modern florists are going after business—one way is to advertise. He who really wants to get ahead will quit criticising the bad things he sees in business and spend all his time creating good things. Build a backbone into your business.

Feb. 5. Fri. Follow up collections. The 10th is coming when the money will be needed to pay bills. Just because a man believes in the \$ sign is no sign he is superstitious.

S. L. F.

JOHN BREITMEYER'S SONSCor. Broadway and Gratiot Aves.
DETROIT, MICH.**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good sections of Ohio, Indiana and Canada. Members Florists' Telegraph Delivery Association.

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23 STEUBEN ST.

ALBANY, N. Y.FLOWER DELIVERIES FOR ALBANY
AND VICINITY

Members Florists' Telegraph Delivery

**WASHINGTON,
D. C.****GUDE'S**Member Florists
Telegraph
Delivery.**CLEVELAND****A. GRAHAM & SON**

5523 Euclid Ave.

Will take good care of your orders

Members of F. T. D. Association.

SAMUEL MURRAY

Kansas City, Mo.

913 Grand Ave.

Member of the Florists' Telegraph Delivery

All Orders Given Prompt and Careful Attention

The Park Floral Co.

J. A. VALENTINE, Pres.

Member Florists' Telegraph Delivery.

DENVER, COLORADO

Rochester, N. Y.

**J. B. KELLER SONS,
FLORISTS**

25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2180
Members Florists Telegraph Delivery**"THE HOME OF FLOWERS"**

The largest cut flower store in America. Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

**HOLM & OLSON, Incorporated
ST. PAUL, MINN.**

CHICAGO Send Your Orders to WILLIAM J. SMYTH

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Delivery Association

Michigan Ave. at 31st Street

Prompt Auto Delivery
Service

THOS. F. GALVIN
INC.

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BOSTON 126 Tremont Street
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Deliveries to Steamers and all Eastern Ports

Harry Quint
Florist

199 TREMONT STREET
OPPOSITE HOTEL TOURAINE
BOSTON

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F. H. KRAMER

Auto delivery of Designs and Flowers to
any address in Washington.

Stock and Work First Class

New York. Washington, D. C.

J. H. SMALL & SONS
FLORISTS

NEW YORK, WASHINGTON, D. C.
1153 Broadway, Cor. 15th & H. Sts.
AND WALDORF-ASTORIA.

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Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

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TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

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ORDERS
FOR
TEXAS

The Florist HOUSTON, TEXAS

Member F. T. D. Association.

Flowers by Telegraph

Leading Retail Florists Listed by
Towns for Ready Reference. Orders
transferred by telegram or otherwise
to any of the firms whose address is
here given will be promptly and prop-
erly filled and delivered.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Albany, N. Y.—The Rosery, 23 Steuben St.
Boston—Thos. F. Galvin, 126 Tremont St.
Boston—Penn. the Florist, 37-43 Brom-
field St.

Boston—Harry Quint, 199 Tremont St.
Boston—Zinn, the Florist, 1 Park St.
Buffalo, N. Y.—S. A. Anderson, 440 Main
St.

Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago, Ill.—Schiller the Florist, George
Asmus, Mgr.

Chicago—William J. Smyth, Michigan
Ave. and 31st St.

Cleveland, O.—J. M. Gasser Co., Euclid
Ave.

Cleveland, Ohio—Adam Graham & Sons,
5523 Euclid Ave.

Denver, Col.—Park Floral Co., 1643
Broadway.

Detroit, Mich.—J. Breitmeyer's Sons,
corner Broadway and Gratiot Ave.

Houston, Tex.—Kerr, The Florist.
Kansas City, Mo.—Samuel Murray, 913
Grand Ave.

New London, Conn.—Reuter's.
New York—David Clarke's Sons, 2139-2141
Broadway.

New York—Alex. McConnell, 611 5th Ave.
New York—Young & Nugent, 42 W. 28th.
New York—Dards, N. E. corner 44th St.
and Madison Ave.

New York—Max Schling, 22 W. 59th St.
New York—G. E. M. Stumpp, 761 Fifth
Ave.

New York—Thos. F. Galvin, Fifth Ave.,
at 46th St.

New York—J. H. Small & Sons, 1153
Broadway and Waldorf-Astoria

New York—Myer, 609-611 Madison Ave.
New York—A. T. Bunyard, 413 Madison
Ave.

Norwich, Conn.—Reuter's.
Omaha, Neb.—Hess & Swoboda, 1415
Farnum St.

Rochester, N. Y.—J. B. Keller Sons, 25
Clinton Ave., N.

St. Louis, Mo.—Fred C. Weber, 4326-28
Olive St.

St. Paul, Minn.—Holm & Olson, Inc.
Tarrytown-on Hudson, N. Y.—F. R. Pier-
son Co.

Toronto, Can.—J. H. Dunlop, 96 Yonge
St.

Washington, D. C.—Gude Bros., 1214 F
St.

Washington, D. C.—F. H. Kramer, 915
F St., N. W.

Washington, D. C.—J. H. Small & Sons,
cor. 15th and H Sts.

Westerly, R. I.—Reuter's.
Worcester Mass.—Randall's Flower Shop,
3 Pleasant St.

NEW FLOWER STORES.

Allston, Mass.—N. Fishelson, Har-
vard avenue.

Baltimore, Md.—E. A. Seidewitz, 124
N. Liberty street.

Troy, N. Y.—A. E. Thompson, 2006
Fifth avenue; H. C. Mutch, King and
River streets.

Cincinnati—Among local florists to
attend the Carnation Society's conven-
tion at Buffalo are Mr. and Mrs. C. E.
Critchell and W. Witterstaetter.

If everybody lets up, everybody
loses; if everybody keeps on adver-
tising, everybody gets more business.
If the others quit and you keep on,
you get most all the orders.—Gumption.

Penn
The Florist

"The Telegraph Florist"

Member of Florists' Telegraph Delivery

37-43 Bromfield St., Boston, Mass.

ORDERS FOR

NEW YORK

WIRE OR PHONE TO

MAX SCHLING

22 West 59th Street, adjoining Plaza Hotel

Best Florists in the States as References

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Delivery.

REUTER'S Members Florists
Telegraph
Delivery

STORES IN

New London and Norwich, Conn.
and Westerly, R. I.

We cover the territory between

New Haven and Providence

Transfer your orders for flower or
plant deliveries to

ZINN The Florist
4 Park St., Boston

HESS & SWOBODA
FLORISTS

Telephones 1891 and L 1883

1415 Farnum St.,

OMAHA, NEB.

THE J. M. GASSER COMPANY,

CLEVELAND

Euclid Avenue

F. R. PIERSON CO.

FLORISTS AND
PLANTSMEN

TARRYTOWN ON HUDSON, - N. Y.

NEWS ITEMS FROM EVERYWHERE

BOSTON.

Miss Zann, formerly located at 31 West street, has moved to 188 A Dartmouth street, in the Toy Theatre Building where more commodious quarters will be provided.

Harry Quint planted several thousand tulip bulbs last week in front of the Brunswick Hotel, where his new store is located. This action in mid-winter seems problematical, but Mr. Quint says he has done stunts of this kind before with success.

Some specialties noted this week were carnation Pink Delight from W. C. Stickel of Lexington, antirrhinums from Paul Richwagon of Needham, carnations Beacon and Yellow Prince from John Barr of Natick, and Spencer sweet peas from R. A. Wadsworth Co. of Northboro.

H. M. Robinson & Co. are perfecting a chemical process for preserving natural flowers, which they claim will eventually do away with the artificial blooms that so seriously injure the cut-flower trade. This process, they believe, ought to prove an outlet for glutted stock, instead of throwing it away as waste.

Alice Coombs carnation sells very well in the Boston market. At the present writing Mr. Roper, of Tewksbury, its originator, is optimistic regarding its reception at the carnation convention. Mr. Roper intends to hold back the dissemination of this variety until next year and is selling the flowers only just now.

Among those from Boston and vicinity who are at the Carnation convention in Buffalo are Joseph Margolis of H. M. Robinson & Co., Wm. Nicholson, Albert Roper, Mr. and Mrs. C. S. Strout, E. A. Peirce, Peter Fisher, Wm. J. Stewart, M. A. Patten, W. D. Howard, W. A. Hastings, Mr. and Mrs. L. J. Reuter, A. A. Pembroke, John Nelson and S. J. Goddard, president of the American Carnation Society.

WASHINGTON.

The S. S. Pennock-Meehan Company last week displayed a very handsome collection of the Mrs. C. Edward Akehurst rose. The flowers were large and very fragrant while the stems are long and stiff.

Another of the season's very few elaborate decorations was that at Rauscher's last week given by Rear Admiral and Mrs. Richardson Clover. The large ballroom at that place had been turned into a series of gardens, while the small ballroom was transformed into an orange grove, real oranges being attached to the trees by means of wires and ferns. A rustic fence followed the wall lines and behind this was a hedge of lilacs. The walls of the larger room were decorated with rambler roses and wall pockets were filled with red and white roses. The decoration was furnished by Gude Bros. Company.

CHICAGO.

Michael Lark, chairman of the Good of the Order Committee, announces an old fashioned smoker at the next meeting of the Chicago Florists' Club.

The coming convention of the S. A. F. in San Francisco is growing in interest as the time shortens. It is expected that the route will be decided upon and announced at the next meeting of the Chicago Florists' Club.

T. Waters, who presides over the supply department at Poehlmann Bros., is again suffering from blood poison, supposedly caused by contact with something in the dyeing room. This time his face was the place of attack and so badly swollen as to nearly close his eyes. Mr. Waters prefers the old location in his hand were he given the choice.

Wm. Allen of this city, had his first experience in this country with his uncle, Richard W. Allen, at Hudson, N. Y., whose death was recorded in last week's issue. Wm. Allen is one of the rising young men in the profession and doing credit to his training here and in England. At present he has charge of the private conservatories of Tilb, the shoe manufacturer, in Chicago.

A. L. Vaughan is distinctly not a two faced man but he looked it early in the week. A defective tooth caused one side to swell. Mr. Vaughan calls attention to an error in quoting from him last week. He said there had been no extra quantity of carnations this year and not extra quality as printed, for he believes the quality of the carnations quite up to that of former years. Instead of taking the chances on local cold storage of ferns, this firm receives daily shipments from the east, during the entire season.

Local growers are not giving the space to greens that they formerly did. Asparagus plumosa strings have dropped to a small fraction of their former demand, and a leading wholesaler says it is because the retailer does not want to pay the price. From the retailer's viewpoint it is now necessary to give sprays of green with the cut flower sales and that lessens the demand for the long strings. A fine quality of sprengeri from Florida is cutting into the demand for that also, from local growers.

Providence, R. I. Practically all of the florists of Providence and many others from surrounding towns paid a tribute to Michael Sweeney, whose funeral was held in Edgewood, Wednesday, Jan. 29. The church was filled with friends and former business associates. The massive floral tributes filled two rooms and testified to the high esteem in which the well-known florist was held.

It is the general verdict of the wholesalers and retailers in and about Providence that the business of the past year has been below that of recent years. This is especially true since the holiday season began.

PITTSBURGH.

The Blind Floral Company in the Erie Building, with greenhouses at West View, is anticipating some new buildings, the subject now being under discussion.

The E. C. Ludwig Floral Company are contemplating the addition of another greenhouse to their place near Mars, Butler County. The Ludwigs keep their store at 710 Welser street, North Side, open both day and night.

Professor Emil Kratt, of the Radium Chemical Company, will give a talk on "Radium" at the monthly meeting of the Pittsburgh Florists' Club on Monday evening, February 1, at the Fort Pitt Hotel. On this occasion the new, or rather the re-elected old officers, will begin another year's duties.

Anthony W. Smith, Jr., of the A. W. Smith Company, is much gratified by the success of his newly patented collapsible pot covers. The covers are fashioned of split bamboo, the natural wood, and dyed brown and green. This is Mr. Smith's second venture in the inventive field, the first being a mechanical patent on a brass vase. To meet the increasing demands of their trade the Smiths have ordered another large auto delivery truck.

Another young florist rapidly coming to the fore is Aloysius Anthony Leach, formerly of Mt. Clemens, Mich., who has recently taken charge of the private conservatory of H. J. Heinz. This is probably the largest and most pretentious private conservatory in the country. The conservatory, which was built six years ago, now embodies ten complete houses, one, "The Show House," having been added last year. Mr. Leach and his corps of men are

CHICAGO

And Neighboring Towns

Are Thoroughly Covered by

SCHILLER, THE FLORIST

(Member Florists Telegraph Delivery)

Flowergram or Mail Orders from florists anywhere carefully filled and delivered under the supervision of

GEORGE ASMUS, Mgr.

2221-2223 W. Madison St., CHICAGO.

'Phone West 822

S. A. ANDERSON

440 Main St., Buffalo, N. Y.

ANDERSON service means fresh, sturdy stock, and prompt deliveries in BUFFALO, LOCKPORT, NIAGARA FALLS and WESTERN NEW YORK.

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ROBERT J. DYSART

PUBLIC ACCOUNTANT AND AUDITOR

Simple methods of correct accounting especially adapted for florists' use.

BOOKS BALANCED AND ADJUSTED

Merchants Bank Building

40 STATE ST. - - - - BOSTON

Telephone Main 55

SEASONABLE SUGGESTIONS

BY THE FLORISTS' SUPPLY HOUSE OF AMERICA

*St. Valentine's Day Novelties—Heart Boxes for Violets—Cherries
for Washington's Birthday*

CATCHY NOVELTIES IN TANGO FAVORS

HANDLE BASKETS With Liners

CYCAS LEAVES, Best in the World

WHEAT SHEAVE CREPE PAPER AND MATS

TUMBLER BASKETS

MAGNOLIA LEAVES

CREPE FLOWERS

H. BAYERSDORFER & CO.,

The Florists' Supply
House of America

**1129 Arch St.,
PHILADELPHIA, PA.**

unusually busy now in anticipation of the Easter exhibit. Forced strawberries, peaches and tomatoes have been supplying the home table since Thanksgiving.

SAN FRANCISCO.

Domoto Bros.' nursery at Piedmont has just received a large shipment of flowering shrubs and plants from Japan.

E. W. McLellan has just returned from a northern trip, calling on the trade in Portland, Seattle, etc. He reports business rather quiet in that part of the country.

S. W. Cunningham, professor of agriculture of the Fresno Normal School, is working on plans for the grounds, which will be laid out and planted as soon as the new building is finished.

Joseph's flower shop on Grant avenue has just installed a handsome fountain fixture in its window. It is making quite a feature of pansies in novelty boxes, and has on exhibition a lot of Polypodium Mandaiana, which are quite a novelty here.

Angelo J. Rossi, president of Pelicano, Rossi & Co., has been elected treasurer of the Down Town Association for 1915. This is an organization started by merchants of the shopping district after the 1906 fire for the up-building of the down-town streets, and it still finds a wide field of usefulness. L. L. Morse, head of C. C. Morse & Co., the local seed house, is a new director of the organization.

PHILADELPHIA.

Charles Sim and his wife and her sister will leave Feb. 2nd on a two months' vacation to the Pacific coast. Their itinerary includes San Francisco, Los Angeles, San Diego, and Lompoc.

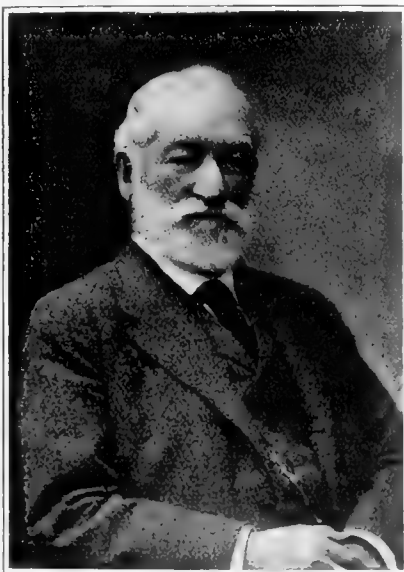
Dr. Peter H. Lane and Mrs. Lane sailed on the S. S. "Great Northern" on the 27th, via Panama for the Pacific coast. The doctor is one of Tom Roland's boys, and is an enthusiastic member of the Florists' Club and the S. A. F.

W. J. Kennedy, superintendent of the Chestnut Hill Reservoir reservation, Brookline, Mass., has been elected president of the Massachusetts State Employees Benefit Association which numbers over 1000 members.

Obituary

Charles W. Parker.

Charles W. Parker, one of Boston's oldest and most respected merchants, died on Sunday, January 24, aged 83 years. Death was due to heart failure and came very suddenly. Mr. Parker was an ex-president of the Massachusetts Horticultural Society, having served in that capacity for two terms



Charles W. Parker.

previous to the election of Mr. Farquhar. He was an ardent lover of horticulture and on many occasions received and entertained the garden committee of the Society and others in most hospitable manner at his beautiful summer estate on Marblehead Neck, which he had planted and developed from a rocky barren into a verdant paradise. He leaves a widow and two sons. The funeral on Wednesday, January 27, was attended by many of the horticultural fraternity of Boston.

Riverside, N. J.—The storm on Tuesday night, January 12, did great damage to the greenhouses of the local florist here, A. Hirschleber.

COMING EVENTS.

Club Meetings.

Denver, Colo., Feb. 1.—Colorado Florists' Club, Adams Hotel.

Detroit, Mich., Feb. 1.—Detroit Florists' Club, 153 Bates St.

Grand Rapids, Mich., Feb. 1.—Grand Rapids Florists' and Gardeners' Club.

Montreal, Can., Feb. 1, 7.45 P. M.—Montreal Gardeners' and Florists' Club, Royal Gardens Bldg.

Buffalo, N. Y., Feb. 2, 8 P. M.—Buffalo Florists' Club, 385 Ellicott St.

Dayton, O., Feb. 2.—Dayton Florists' Club, 37 E. 5th St.

Philadelphia, Pa., Feb. 2.—Florists' Club of Phila., Horticultural Hall, Broad St.

Washington, D. C., Feb. 2, 8 P. M.—Florists' Club of Washington, D. C., 1214 F St., N. W.

Minneapolis, Minn., Feb. 2.—Minneapolis Florists' Club, 218 N. 5th St.

Knoxville, Tenn., Feb. 2.—Knoxville Florists' Society.

Pittsburgh, Pa., Feb. 2, 8 P. M.—Pittsburgh Florists' and Gardeners' Club, Ft. Pitt Hotel. Annual election of officers.

Seattle, Wash., Feb. 2.—Seattle Florists' Society, Chamber of Commerce, 2nd Ave. and Columbia St.

New Orleans, Feb. 3.—German Gardeners' Club of New Orleans, 717 Common St.

Louisville, Ky., Feb. 3.—Kentucky Society of Florists.

Albany, N. Y., Feb. 4.—Albany Florists' Club, 611 Broadway.

Chicago, Ill., Feb. 4, 8 P. M.—Chicago Florists' Club, Hotel La Salle, La Salle and W. Madison Sts.

Milwaukee, Wis., Feb. 4, 8 P. M.—Milwaukee Florists' Club, Quiet House, 86 Mason St.

Tacoma, Wash., Feb. 4.—Tacoma (Wash.) Florists' Association, Maccabee Hall, C and 11th Sts.

BUSINESS TROUBLES.

Fulton, N. Y.—Theodore Foederer, involuntary bankruptcy; assets, \$1300, liabilities, \$2000.

A petition has been filed in the Supreme Court of the District of Columbia to have the Washington Florists Company, adjudicated a bankrupt. The petitioning creditors and their claims are as follows: J. Louis Loose (head of the company), \$39,000 due upon the principal of one hundred bonds of the company of a par value of \$500 and \$7,454 in interest due upon said bonds; T. F. Burroughs & Sons, Alexandria, Va., \$49.86; Benjamin Einstein, Washington, D. C., \$19.80; W. A. Smoot & Company, Inc., Alexandria, Va., \$186.63; Thomas Somerville Company, Washington, D. C., \$5.97. Charles F. Diggs is attorney for the petitioners.

SPRING FLOWERS

WHITE and PURPLE LILAC,—per bunch, \$1.25
 PURE WHITE FREESIA,—per 100, \$4.00
 PUSSY WILLOW,—per bunch, 50 cents

Daffodils — Snapdragon — Pansies — Daisies — Carn-
 flowers — Gardenias.

A well regulated supply. Through stock every day to
 meet your orders.

THE LEO NIESSEN CO.

Wholesale Florists

N. W. Cor. 12th and Race Sts., PHILADELPHIA, PA.
 BALTIMORE, MD. WASHINGTON, D. C.

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HELP Us to Continue
 Producing the

BEST TRADE PAPER

Just Mention **HORTICULTURE**
 When Writing to Advertisers

THE BEST LETTERS

FOR
 FLORIST'S
 USE

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THOSE
 MADE
 BY THE

Boston Florist Letter Co.

66 PEARL ST., BOSTON
 N. F. McCarthy, Mgr.

Block Letters, \$2.00 per 100.

Script Letters, \$3.00 per 100.

Order direct or buy from your local
 supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always
 in Stock



C. E. CRITCHELL

"The" Wholesale Florist of Cincinnati
 32-34-36 East Third Street

Consignments Solicited. Complete stock of
 Florists' Greens and Supplies.

Mention Horticulture when writing.

Wired Toothpicks

Manufactured by

W. J. COWEE, Berlin, N. Y.

10,000...\$1.75. 50,000...\$7.50. Sample free
 For sale by dealers.

E. G. HILL CO.

Wholesale Florists

RICHMOND, IND.

Please mention Horticulture when writing

POEHLMANN BROS. CO.

Supply of Best Cut Flowers all the Year Around
 72-74 EAST RANDOLPH ST., - - - CHICAGO.

If interested, send us your name and address for our weekly price list

WELCH BROS. CO.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE
 SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100

TO DEALERS ONLY

	CINCINNATI January 25	CHICAGO January 25	BUFFALO January 25	PITTSBURG January 25
Roses				
Am. Beauty, Special.....	25.00 to 30.00	25.00 to 30.00	25.00 to 30.00	25.00 to 30.00
" " Fancy and Extra.....	15.00 to 20.00	15.00 to 20.00	15.00 to 20.00	15.00 to 20.00
" " No. 1.....	10.00 to 15.00	10.00 to 15.00	10.00 to 15.00	10.00 to 15.00
Killarney, Richmond, Extra.....	6.00 to 10.00	6.00 to 10.00	6.00 to 10.00	6.00 to 10.00
" " Ordinary.....	3.00 to 5.00	3.00 to 5.00	3.00 to 5.00	3.00 to 5.00
Hillingdon, Ward, Sunburst, Extra.....	6.00 to 10.00	6.00 to 10.00	6.00 to 10.00	6.00 to 10.00
" " Ordinary.....	3.00 to 5.00	3.00 to 5.00	3.00 to 5.00	3.00 to 5.00
Maryland, Shawyer, Taft, Extra.....	6.00 to 10.00	6.00 to 10.00	6.00 to 10.00	6.00 to 10.00
" " Ordinary.....	3.00 to 5.00	3.00 to 5.00	3.00 to 5.00	3.00 to 5.00
Russell, Hadley, Ophelia.....	6.00 to 10.00	6.00 to 10.00	6.00 to 10.00	6.00 to 10.00
Carnations, Fancy.....	2.00 to 4.00	2.00 to 4.00	2.00 to 4.00	2.00 to 4.00
" " Ordinary.....	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Cattleyas.....	25.00 to 30.00	25.00 to 30.00	25.00 to 30.00	25.00 to 30.00
Cypripedium.....	10.00 to 15.00	10.00 to 15.00	10.00 to 15.00	10.00 to 15.00
Lilies, Longiflorum.....	10.00 to 15.00	10.00 to 15.00	10.00 to 15.00	10.00 to 15.00
Lily of the Valley.....	5.00 to 10.00	5.00 to 10.00	5.00 to 10.00	5.00 to 10.00
Violets.....	.50 to 1.00	.50 to 1.00	.50 to 1.00	.50 to 1.00
Snapdragon.....	2.00 to 4.00	2.00 to 4.00	2.00 to 4.00	2.00 to 4.00
Narcissus, Paper White.....	2.00 to 4.00	2.00 to 4.00	2.00 to 4.00	2.00 to 4.00
Corn Flower.....	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Freesia.....	4.00 to 8.00	4.00 to 8.00	4.00 to 8.00	4.00 to 8.00
Daffodils.....	4.00 to 8.00	4.00 to 8.00	4.00 to 8.00	4.00 to 8.00
Lilac per bunch.....	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Sweet Peas.....	.50 to 1.00	.50 to 1.00	.50 to 1.00	.50 to 1.00
Gardenias.....	25.00 to 30.00	25.00 to 30.00	25.00 to 30.00	25.00 to 30.00
Adiantum.....	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Smilax.....	12.50 to 25.00	12.50 to 25.00	12.50 to 25.00	12.50 to 25.00
Asparagus Plumosus, Strings (100)	25.00 to 50.00	25.00 to 50.00	25.00 to 50.00	25.00 to 50.00
" " & Spreng. (100 bchs.)	25.00 to 50.00	25.00 to 50.00	25.00 to 50.00	25.00 to 50.00

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EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

264 RANDOLPH ST., DETROIT, MICH.

Flower Market Reports

BOSTON The market is improving markedly, so that at the present writing the wholesalers are walking around with smiles and cheerfully optimistic about spring business. Conditions have taken a sudden turn in favor of the wholesale market. Stock has shortened considerably, better prices are being secured and at the same time cleaning up more easily. Roses have taken a sudden jump, 25 per cent. to 50 per cent., with a scarcity of white roses. Yellow and red roses are selling well. American Beauties are reaching prices that make the flower business look like prosperity. Carnations of all varieties are selling well at normal prices, especially the novelties. The fine quality of all kinds of flowers in the market is noticeable. The demand throughout the city has not increased to any great extent, but shipping trade has been better and the supply is much decreased, so there is hope for a good month's trade. The usual dullness following the holidays is passing and retailers are making collections easier for the rest of the trade.

BUFFALO Zero weather and plenty of snow has caused receipts to be light. There is just enough stock to keep every merchant supplied and also keep the wholesaler cleaned up. This applies to roses in particular in which the supply has shortened up and which has helped other sale of stock such as daffodils, tulips, carnations, lilies and peas. There are some choice Taft, Sunburst, white and pink Killarney and prices rule high on the top grade. Beauties are on the scarce list. There are not many coming to this market and there are not many needed, Richmonds being preferred in many cases. Carnations are about equal to the demand. Plenty of greens and smilax and still an over supply of narcissus which need a good deal of force to move.

CHICAGO High prices prevail and will so long as scarcity of stock continues. The market conditions are not far from normal for midwinter, when the early winter has been marked by a big crop along all lines. The prices quoted at Christmas are more adapted to the present time than during the holidays. So far bulbous stock is bringing good returns and spring flowers are still new enough to be in good demand. Knowing the enormous quantity of bulbs in this vicinity, large wholesale houses are looking for future buyers to contract for a definite amount for daily use at a later period. Violets are very unsatisfactory from the selling standpoint, and apparently for no reason, for the quality is good. American Beauties show no tendency to larger supply and these with all kinds of roses will be on the short side until sunshine comes to help out the buds. Carnations are now of good quality and supply is fair.

CINCINNATI The market generally is in a good condition as far as clearances are concerned. The supply of stock is only fair. Roses are meeting with a very good call and are running somewhat short of present needs.



CARNATION SPECIAL

Carnations are now at their best—splendid, fine, large flowers with good stems. We have two unusually attractive specials for the coming week.

SPECIAL NO. 1. The very best quality, our selection as to color, IN LOTS OF 500 OR MORE, \$3.00 per 100.

SPECIAL NO. 2. A very good medium quality, IN LOTS OF 500, our selection as to color, \$2.00 per 100.

PUSSY WILLOW

50 cts. and 75 cts. per bunch.

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1216 H St., N.W.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON January 26		ST. LOUIS January 25		PHILA. January 25	
Roses						
Am. Beauty, Special	35.00	to 50.00	30.00	to 40.00	.....	to 60.00
" " Fancy and Extra	15.00	to 25.00	20.00	to 25.00	40.00	to 50.00
" " No. 1	10.00	to 12.00	10.00	to 15.00	20.00	to 30.00
Killarney, Richmond, Extra	8.00	to 15.00	5.00	to 6.00	6.00	to 10.00
" " Ordinary	3.00	to 5.00	2.00	to 4.00	3.00	to 5.00
Hillingdon, Ward, Sunburst, Extra	8.00	to 15.00	6.00	to 8.00	6.00	to 10.00
" " Ordinary	3.00	to 6.00	3.00	to 5.00	3.00	to 4.00
Maryland, Shawyer, Taft, Extra	6.00	to 12.00	6.00	to 8.00	8.00	to 10.00
" " Ordinary	3.00	to 4.00	3.00	to 5.00	4.00	to 6.00
Russell, Hadley, Ophelia	4.00	to 15.00	6.00	to 10.00	10.00	to 20.00
Carnations, Fancy	3.00	to 5.00	2.00	to 3.00	3.00	to 4.00
" " Ordinary	1.00	to 2.00	.75	to 1.00	1.50	to 2.00
Cattleyas	35.00	to 50.00	40.00	to 50.00	40.00	to 50.00
Cypripediums	.....	to 10.00	.....	to 10.00	10.00	to 15.00
Lilies, Longiflorum	8.00	to 10.00	8.00	to 10.00	10.00	to 12.00
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Violets	.50	to .75	.25	to .75	.35	to .60
Snapdragon	3.00	to 4.00	3.00	to 5.00	12.00	to 15.00
Narcissus, Paper White	1.50	to 2.00	2.00	to 3.00	1.00	to 3.00
Corn Flower	.50	to .75	.....	to 2.00	2.00	to 2.50
Freesia	.....	to 2.00	.....	to 1.00	1.00	to 6.00
Daffodils	3.00	to 4.00	3.00	to 5.00	3.00	to 4.00
Lilac (per bunch)	.....	to 1.00	.....	to 1.00	.....	to 1.00
Sweet Peas	.75	to 1.50	.50	to 1.50	.80	to 2.00
Gardenias	20.00	to 30.00	.....	to 8.00	.....	to 20.00
Adiantum	.50	to 1.00	1.00	to 1.25	1.00	to 1.50
Smilax	8.00	to 12.00	10.00	to 12.50	10.00	to 12.00
Asparagus Plumosus, Strings (100)	25.00	to 40.00	35.00	to 50.00	.....	to 50.00
" " & Spreng. (100 Bchs.)	25.00	to 35.00	10.00	to 15.00	.....	to 50.00

Carnations are selling well and the good stock has been having no trouble in selling at fair prices. Lilies meet with an active demand. Narcissus are proving good property since the supply of roses and carnations has decreased. Lily of the valley, single violets and sweet peas sell pretty well. Double violets meet with a very weak market. Other offerings include callas, Rubrum lilies, orchids, Roman hyacinths, jonquils and baby primrose. The supply of greens is ample for present needs.

NEW YORK Business continues to be in much brighter condition and the spurt that started last week continues. The supply at present is not equal to the demand. Roses continue scarce

and good prices are realized for all varieties. Carnations also have advanced considerably. Lily of the valley, lilies, violets and bulbous stock all demand good figures.

The improvement in business noted in our last week's report continues. The general tone of the market is very much better. Prices have stiffened considerably all along the line. In roses there has been a sharp advance. The only good roses now are the long stemmed grades and these are too high priced for ordinary trade. As a consequence the buyers are forced on to carnations which are plentiful and good and very moderate in price. Its an ill wind that blows nobody good. American Beauty

Continued on page 154

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NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS

Last Half of Week
ending Jan 23
1915

First Half of Week
beginning Jan. 25
1915

American Beauty, Special	to	to	to	to
" " Fancy and Extra	to	to	to	to
" " No. 1	5.00	to	to	to
Killarney, Richmond, Extra	to	to	to	to
" " Ordinary	to	to	to	to
Hillingdon, Ward, Sunburst, Extra	to	to	to	to
" " Ordinary	4.00	to	to	to
Maryland, Sawyer, Taft, Extra	5.00	to	to	to
" " Ordinary	4.00	to	to	to
Russell, Hadley, Ophelia	10.00	to	to	to
Carnations, Fancy Grade	to	to	to	to
" " Ordinary	to	to	to	to

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Manufacturers of all kinds of

WIRE DESIGNS and FLORISTS SUPPLIES

1008 Vine St., PHILADELPHIA, PA.

Flower Market Reports

(Continued from page 153)

roses are very scarce and in the short very poor quality. Specials jumped to nine and look as if they would go to ten in a day or two. Pink roses are also scarce. Orchids are still plentiful and more than the market can handle to advantage. This is most noticeable in the smaller sized cattleyas. These latter are hard to move and bring such small prices that even the department stores advertise them retail at twenty cents.

The cloudy weather of the past week has caused a slight tightening of the market in some instances although there has been ample stock to meet the demand. Roses have felt the effects of the bad weather and have been short at times. Daffodils and lilies of the valley have tightened considerably. Carnations have been coming good until the latter part of the week, and unless the sun comes to the rescue a scarcity is predicted.

Retail business is even less active than last week, but in the wholesale trade, however, conditions are fairly satisfactory. The volume of business is nothing extraordinary, but desirable offerings in many lines are a little lighter, and prices firmer. No real scarcity is observed in any line. Violets are plentiful and cheap, but really fine stock is scarce. Tulips have appeared at most of the downtown stores this week, and are much sought after. The first sweet peas have also been quite an attraction, very few being offered. Blossoming pansies in boxes also receive some attention. Formosa and Bermuda lilies figure prominently in store displays, but find only limited sale. A touch of frost is holding back the daffodils and freesias, and prices have held up unusually well, all offerings being readily taken. Lily of the valley continues plentiful, and it is reported that a carload of pips has just come in. There is just about enough phalaenopsis to meet requirements, while other orchids and gardenias are in rather heavy supply, and cyclamen flowers are quite plentiful. Roses are holding their own, but the demand runs mostly to the cheaper varieties. White Killarneys remain very popular, and the yellow varieties also find a large sale. A few bunches of chrysanthemums are still coming in. Carnations are not so firm as last week, but hold up fairly well, with none too plentiful supplies. It rather looks as if the trade would "mark time" until about Feb. 20, when the opening of the Exposition should bring lively times.

The outflower market here has been in good condition. There was plenty of stock in the early part of the week but later on became somewhat scarce owing to the cold and cloudy weather when prices began to stiffen somewhat on carnations and roses and the demand became larger. Fancy carnations are bringing good prices. Bulb stock is not as heavy as usual at this time of the year though paper whites are in plenty. Other bulb stock short of the demand which includes Roman hyacinths. In greens, as usual, the market is good.

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New Crop Fancy Ferns - - - \$0.75 per 1000
Dagger Ferns - - - .75 per 1000

Discount on large orders.

USE OUR LAUREL FESTOONING

For your decorations, made fresh daily from the woods, 4c, 5c and 6c per yard

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Bronze and Green Galax, \$1.00 per 1000;
\$7.50 per case of 10,000.
Sphagnum Moss, large sack, only 40c.
Pine by the pound, 8c., or by the yard.
Branch Laurel, 35c. for a large bundle.
Southern Smilax, 50-lb. cases, \$5.00.
Green and Bronze Leucothoe Sprays, \$3.60 per 1000.
Pine Boxwood, \$7.50 per 50-lb. case.

Order in advance.

Write, wire or telephone 13 R4

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NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Jan. 23 1915	First Half of Week beginning Jan. 25 1915
Cattleyas.....	25.00	to
Lilies, Longiflorum.....	2.00	to
Rubrum.....	1.00	to
Lily of the Valley.....	3.00	to
Violets.....	10	to
Snapdragon.....	4.00	to
Narcissus, Paper White, Roman Hyacinths.....	1.00	to
Freesia.....	2.00	to
Daffodils.....	2.00	to
Tulips.....	4.00	to
Mignonettes.....	3.00	to
Lilac (per bunch).....	1.00	to
Sweet Peas.....	1.00	to
Gardenias.....	1.00	to
Adiantum.....	1.00	to
Smilax.....	1.00	to
Asparagus Plumosus, strings (per 100).....	35.00	to
& Spreu (100 bunches).....	1.00	to

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New England Grown Roses, Violets, Pansies, Primroses,
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Highest Prices for Choice Stock. Write for Particulars.

B. S. SLINN, Jr., 57 W. 26th Street
NEW YORK

WASHINGTON

It is stated that the present shortage of roses and carnations is greater than has been seen in this locality in many years. This shortage applies to all grades and varieties and difficulty has been experienced in getting sufficient to fill out dinner decorations. On the other hand, there is a plentiful supply of sweet peas and violets are coming in to the market in larger quantities daily, with the result that the price is now about 50 cents per hundred. No one seems to want narcissus and great amounts daily find their way to the refuse heap. Gardenias moved exceptionally well during the week with the result that many orders had to go unfilled. Lilies are in much better demand because of the shortage of carnations and a large quantity of funeral work. The sale of lily of the valley has been somewhat draggy. Orchids are very plentiful with little or no call. There has been a good demand for Fire Flame roses at from \$6 to \$8 per hundred.

VISITORS' REGISTER.

Boston—W. H. DeGraaf, Leyden, Holland; John Stafford, Bar Harbor, Me.; Ed. Flood, repr. Johnston Brokerage Co., Phila., Pa.

Philadelphia—Samuel McClements, Pittsburgh, Pa.; John J. Perry, manager, Pennock-Meehan store, the Florists' Exchange, Baltimore, Md.

Cincinnati—M. A. L. Lander, et al.

E. Blackshaw representing A. L. Randall Co., Chicago, Ill., and Tom Joy, Nashville, Tenn.

San Francisco—F. Grohe, Santa Rosa, Cal.; Geo. C. Roeding, Fresno, Cal.; C. W. Ward and R. T. Brown, Cottage Gardens, Co., Queens, N. Y.

Pittsburgh, Pa.—Maurice Fuld of Knight & Struck Co., New York City; A. Schravendeel, representing Segers Bros., Lisse, Holland; George Maunze, representing Reed & Keller, New York City.

Washington, D. C.: William E. McKissick, manager of the Baltimore branch of the Leo Niessen Company; I. S. Hendrickson, Flowerfield, N. Y.; E. Klein, Gwynedd Valley, Pa.; Sidney Bayersdorfer, Philadelphia, Pa.; E. W. Mitchell, Stuyvesant Falls, N. Y.

Chicago—Max Keizer, St. Paul, Minn.; Henry Rawley, Detroit, Mich.; Chas. Freuh, Saginaw, Mich.; Mr. Cole of Cole Bros., Peoria, Ill.; Chas. Schwake & Co., New York; I. O. Campbell and son, New Orleans, La.; Roy Wilcox, Omaha, Neb.; Milton Alexander, Sam Seligman, New York; P. D. Farrand, Valparaiso, Ind.; Martin Reukauf, rep. H. Bayersdorfer, Phila.; Frank Farney, rep. M. Rice, Phila.

S. J. Reuter & Son are sending in the roses to John Young, 53 W. 28th street, New York, the varieties Aaron Ward, Prince E. C. d'Arenberg and Francis Scott Key being especially fine.

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Ampelopsis Veltchii 3 yr., extra strong roots and tops, 3 to 4 ft., \$8.00 per 100; 2-yr., strong, 2 to 3 ft., \$4.50 per 100, \$35.00 per 1000; 2-yr., good, 18 to 24 in., 50 by parcel post, \$2.00; \$3.00 per 100; \$25.00 per 1000, by express. All packed to carry safely without extra charge. CHAS. BLACK, Hightstown, N. J.

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Begonia Gloire de Chateleine: 2 in., \$4.00; 3 in., \$7.00; 4 in., \$12.00; 5 in., \$20.00 per 100. These are an extra choice lot of plants, if not used for sale, they make good stock plants at a bargain price. Mr. Robt. March, Mt. Hartford, Ct., has this to say: "The box of Begonias arrived in good shape. The plants are excellent. Thanking you for your prompt attention and good stock. I remain, etc."

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Horticultural Importers and Exporters.

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Fottler, Fiske, Rawson Co., Boston, Mass.
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C. KEUR & SONS, HILLEGOM, Holland.
Bulbs of all descriptions. Write for prices.
NEW YORK Branch, 8-10 Bridge St.

CALADIUMS

Henry A. Dreer, Philadelphia, Pa.
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CALCEOLARIA

A. M. Davenport, Watertown, Mass.
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CANNAS

Canna Specialists.
Send for Canna book.
THE CONARD & JONES COMPANY,
West Grove, Pa.

CARNATIONS

Cottage Gardens Co., Inc., Queens, N. Y.
Carnation Matchless a Great Success.
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Peter Fisher, Ellis, Mass.
New Carnation Alice.
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F. Dorner & Sons Co., Lafayette, Ind.
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A. N. Pierson, Inc., Cromwell, Conn.
New Carnations

CARNATIONS. Rooted cuttings. Beacon, Rosette, White Enchantress, \$3.00 per 100, \$25.00 per 1,000; Philadelphia, \$5.00 per 100, \$40.00 per 1,000.
FRANK P. PUTNAM, Lowell, Mass.

CARNATION STAPLES

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 1000 for 35c; 3000 for \$1.00 post paid. L. PILLSBURY, Galesburg, Ill.

Supreme Carnation Staples, for repairing split carnations, 35c. per 1000; 3000 for \$1.00. F. W. WAITE, 85 Belmont Ave., Springfield, Mass.

CHRYSANTHEMUMS

Elmer D. Smith & Co., Adrian, Mich.
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Wood Bros., Fishkill, N. Y.
Chrysanthemums Rooted Cuttings.
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CHRYSANTHEMUMS. Finest Singles, Exhibition and Commercial English Single Novelties for 1915. Choice New and Standard Singles; Best Pompons and Anemones. Send for Catalogue.
FRANK P. PUTNAM, Lowell, Mass.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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CYCLAMENS

Thomas Roland, Nahant, Mass.
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A great bargain in blooming cyclamen, full of blooms and well set with buds, every plant a specimen, mostly light shades, 2½-in., \$5.00; 4-in., \$10.00 and \$15.00; 5-in., \$25.00 and \$35.00; 6-in., \$50.00 and \$75.00 per 100. We have received a good many letters similar to this one: "Thank you very much for the beautiful cyclamen plants. It does not take a salesman to sell them."—Colonial Flower Shop, Goshen, Ind. This is what Mr. J. P. Newton, Sioux City, Iowa, says: "Ship 1000 transplanted cyclamen seedlings at your convenience. Last year's did beautifully."

Cyclamen seedlings, once transplanted, of our well-known strain, only the best sent out, with cultural directions; in separate colors, \$3.50 per 100; \$30.00 per 1000. These are strong, once transplanted stock, not to be compared with seedlings. 250,000 grown this season.

CHRIST WINTERICH,
Cyclamen Specialist, Defiance, Ohio.

DAHLIAS

Dahlia—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange. GEO. H. WALKER, Dahlia Expert, North Dighton, Mass.

DAHLIAS.

Send for Wholesale List of whole clumps and separate stock; 40,000 clumps for sale. Northboro Dahlia and Gladiolus Gardens, J. L. MOORE, Prop., Northboro, Mass.

NEW PAEONY DAHLIA

John Wanamaker, Newest, Handsomest, Best. New color, new form and new habit of growth. Big stock of best cut-flower varieties. Send list of wants to PEACOCK DAHLIA FARMS, Berlin, N. J.

ALEXANDER'S QUALITY DAHLIAS are the best on the market; 800,000 Clumps to offer, at rock bottom prices, in full field clumps, and strong divisions. If you are looking for stock for your 1915 Catalogue, or for forcing, send at once for free catalogue. J. K. ALEXANDER, "The Dahlia King," East Bridgewater, Mass.

DECORATIVE PLANTS

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Alonzo J. Bryan, Washington, N. J.
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Saxifraga sarmentosa—A beautiful hanging plant; sells at sight; rooted runners; \$2.00 per 100. W. E. SARGENT, Holden St., Worcester, Mass.

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Natural Guano Co., Aurora, Ill.
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FUCHSIAS

Fuchsias, Black Prince, Speciosa, double purple and white. Rooted Cuttings, \$1.00 per 100; 2½-in., \$2.00 per 100.
W. J. BARNETT, R. D. 67, Sharon, Pa.

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GLADIOLUS

John Lewis Childs, Flowerfield, L. I., N. Y.
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A. Henderson & Co., Chicago, Ill.
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Independence, 1st size, \$8 per 1000. Special prices on other home grown Gladioli.
MUNSELL & HARVEY, Ashtabula, Ohio.

Gladiolus—Shakespeare, Hyde Park, Morning Star. Good for Florists' use. First and second sizes. Write for prices.
HERMAN H. BAER, New Hyde Park, N. Y.

First size America, \$7.00; Mrs. F. King, \$9.00; Velvet King, \$11.00 per 1,000, until stock is reduced. Write for wholesale and retail price lists of about 100 varieties.
G. D. BLACK, Independence, Iowa.

First size healthy Gladioli, per 1000: Augusta, 14.00; Hulot, \$14.00; Halley, \$14.00; King of Yellow, \$25.00; Francis King, \$14.00; Panama, \$37.50; Pink Beauty, \$9.00; White and Light Mixed, \$10.00. Send for list of 75 varieties, including planting sizes. F. E. SWETT & SON, Stoughton, Mass.

America, 3-8 to 3-4 inch, \$1.50 per 1000; bulbets, \$5.00 per bushel. Mrs. F. King, 3-8 to 3-4, \$2.00 per 1000. Write for prices on small stock—Halley (early), Chicago White (early), Klondyke, Princess, Augusta, Taconic, Golden King, Peace, Victory, Niagara and Pendleton. HOMER F. CHASE, Lawrence, Mass.

GLASS

Sharp, Partridge & Co., Chicago.
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Greenhouse glass, lowest prices. JOHN-STON GLASS CO., Hartford City, Ind.

GLASS CUTTERS

Smith & Hemenway Co., New York City.
Red Devil Glass Cutter.
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GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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GOLD FISH

Gold fish, aquarium plants, snails, castles, globes, aquarium, fish goods, nets, etc., wholesale. FRANKLIN BARRETT, Breeder, 4815 D St., Olney, Philadelphia, Pa. Large breeding pairs for sale. Send for price list.

GLONINIAS

Henry A. Dreer, Philadelphia, Pa.
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GREENHOUSE BUILDING MATERIAL

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Stearns Cypress.

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Hitchings & Co., New York City.

Pierson U-Bar Co., New York City.

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King Channel Gutter.
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Iron Gutters.

HAIL INSURANCE

Florists' Hail Asso. of America.
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Fancy and Dagger Ferns.
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P. Ouwerkerk, Hoboken, N. J.
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Palisades Nurseries, Sparkill, N. Y.
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Hardwood Ashes for sale. GEO. L. MUNROE & SONS, Oswego, N. Y.

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Lord & Burnham Co., New York City.
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A. T. Stearns Lumber Co., Neponset, Mass.

STANDARD HOT RED SASH 80c each Glass, 6 x 8, 8 x 10, 10 x 12 or 10 x 14, \$1.50 per box. C. N. ROBINSON & BRO., Dept. 29, Baltimore, Md.

HOSE

H. A. Dreer, Philadelphia, Pa.
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In writing to Advertisers kindly mention Horticulture

INSECTICIDES

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Stand of Insecticides
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- Kentucky Tobacco Product Co., Louisville, Ky.
"Nico-Fume"
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- Roman J. Irwin, New York City.
Nico Fume Liquid and Paper.
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IVY

- English Ivy from field, 20 to 30 in., \$3.00;
from pots, 30 to 40 in., \$5.00 per 100
CHARLES FROST, Kenilworth, N. J.

LEMON OIL

- Lemon Oil Co., Baltimore, Md.
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LILY BULBS

- Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
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- R. M. Ward & Co., New York, N. Y.
Japanese Lily Bulbs of Superior Quality.
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LILY OF THE VALLEY

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Hardy, Northern Grown Stock.
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FOR SALE The collection of the late
Edward J. Milton. Apply to JOSHUA
LAWSON, 1140 Beacon St., Brookline, Mass.

- Lager & Hurrell, Summit, N. J.
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PALMS, ETC.

- Robert Craig Co., Philadelphia, Pa.
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PEONIES

- Peonies. The world's greatest collection.
1200 sorts. Send for list. C. BETSCHER,
Canal Dover, O.

PECKY CYPRESS BENCHES

- A. T. Stearns Lumber Co., Boston, Mass.

PIPE AND FITTINGS

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PLANT TRELLISES AND STAKES

- Seele's Tieless Plant Stakes and Trellises. H. D. SEELE & SONS, Elkhart, Ind.

PLANT TUBS

- H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

RAHIA

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Rose Specialists.

- THE CONARD & JONES COMPANY,
West Grove, Pa. Send for offers.

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- Carter's Tested Seeds,
Novelties in Flowers and Vegetables,
Boston, Mass., and London, England.
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SKINNER IRRIGATION SYSTEM

Geo. N. Barrie, Brookline, Mass.
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SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. **LAGER & HURRELL**, Summit, N. J.

STANDARD REGISTERING THERMOMETERS

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STOVE PLANTS

Orchids—Largest stock in the country—Stove plants and Crotons, finest collection. **JULIUS ROEHRS CO.**, Rutherford, N. J.

SWEET PEA SEED

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Tritoma Pfitzeri, strong crowns. Write for prices. **THOMAS J. OBERLIN**, Sinking Spring, Pa.

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Edward Reid, 1619-21 Ranstead St.
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The S. S. Pennock-Meehan Co., 1608-20 Ludlow St.
For page see List of Advertisers.

Richmond, Ind.

E. G. Hill Co.
For page see List of Advertisers.

Rochester, N. Y.

George B. Hart, 24 Stone St.
For page see List of Advertisers.

Washington

The S. S. Pennock-Meehan Co., 1216 H St., N. W.
For page see List of Advertisers.

New Offers In This Issue**BURPEE'S SEEDS GROW.**

W. Atlee Burpee & Co., Philadelphia, Pa.
For page see List of Advertisers.

CARNATION SPECIAL.

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

HOME-GROWN PERENNIALS

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

NEW CROP ASPARAGUS PLUMOSUS SEED.

Pittsburgh Cut Flower Co., Pittsburgh, Pa.
For page see List of Advertisers.

SEASONABLE PLANTS.

Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

SEEDS FOR PRESENT PLANTING.

Thos. J. Grey Co., Boston, Mass.
For page see List of Advertisers.

SOUTH AMERICAN SHEEP AND GOAT MANURE.

Sanderson Fertilizer & Chemical Co., New Haven, Conn.
For page see List of Advertisers.

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "Care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

FOR SALE**Florists' Attention**

We have on hand ready for shipment all material necessary for the superstructure of a **MODERN IRON FRAME LUTTON GREENHOUSE**, 42 ft. wide x 150 ft. long. We will dispose of this material for \$1500, F. O. B. our Factory. Remember everything is new and strictly first class; just the same kind of a house that has made the LUTTON Reputation. We will send you even the **GALVANIZED NAILS, BOLTS AND SCREWS** for assembling the house. Plans sent on request.

William H. Lutton Company

Jersey City, N. J.

FOR SALE**Four Greenhouses and Office**

Front greenhouse, 100 ft. x 25 ft., and office. Iron frame throughout, built by Hitchings & Co., New York. Three greenhouses, boiler house and work shop in rear. Large greenhouse in the rear, 110 ft. x 26 ft., two greenhouses 20 ft. x 30 ft. Steam heat. About an acre of land. Situated on Holten Street, Danvers, Mass., on electric and steam car lines. Only eighteen miles from Boston. Danvers is a growing town with a population of 10,000. Population of 200,000 within a radius of ten miles.

Former owner carried on business for thirty years, established good wholesale and retail trade. Must be sold to settle the estate. Apply to

Mr. DAVID S. BROWN, Administrator,
130 Pine Street, Danvers, Mass.

FLORIST'S BUSINESS FOR SALE.

Location on the main line P. R. R., near city; fully equipped and doing good business. Also wagon. Full particulars on application. Ernst Wannemacher, 2095 N. 63rd St., Overbrook, Phila., Pa.

FOR SALE—Fresh from factory, new; 10 x 12, 16 x 18, 16 x 24, double thick A and B qualities. Market dropped. Now is the time to buy and save money. **PAH SHELKY BROS., INC.**, 215-217 Havermeier St., Brooklyn, N. Y.

THE NUT-GROWER

The unique monthly publication which furnishes reliable and interesting up-to-date information regarding the value of pecans and other edible nuts and how to grow them for profit.

Subscription. \$1.00 per year
Sample Copy Free

THE NUT-GROWER
WAYCROSS, GA.

In writing to Advertisers kindly mention Horticulture

Clubs and Societies

LANCASTER COUNTY FLORISTS' CLUB.

Good weather was the result of a cold and foggy night, but by noon the sun shone brightly on two of the best of them, and we made the trip to Strasburg, stopping first at Ames Brothers, on an interesting walk of about a mile to Chas. B. Herr's, both of which places are so near to perfection in style, cleanliness and quality of bloom produced that one is compelled to believe that the Professor from India (I forget his name), who is now demonstrating by a machine test the fact that plants respond to their surroundings with feelings of joy or gloom as the case may be, is correct. One can positively see the gladness of living expressed by the plants with these two growers; in fact, White Perfection is so filled with joy that it bursts its calyx in the attempt to express it. Matchless has a record of having produced more blooms per square foot up to the present date than any other variety grown. Philadelphia as grown here, established a keeping record exactly opposite of its general reputation, and it is just possible that those who are going to discard it on account of its lack of keeping qualities may be making a mistake. Beacon—well, Chas. B. Herr's Beacon are simply head and shoulders over any other red grown by anybody or anywhere.

Getting back to Lancaster, a run was made to the houses of Enos Kohr. This is an ideal range of glass and a model heating plant; the carnations good, but not quite so good as the Strasburg ones, and Mr. Kohr says they are a lot better than the prices they are bringing.

The meeting was held in the Breneman Building at 6:30, with the usual full attendance. The annual election resulted in the choice of B. F. Barr for president, Harry Weaver for vice-president, Lemon Landis for secretary and Harry K. Rohrer for treasurer. The newly elected president appointed the following committees:

Visiting committee—Rudolph Nagle, Charles Weaver and E. S. Butt. Program committee—Albert M. Herr, E. P. Hostetter and M. J. Branton. Glad Hand and Sunshine committee—to welcome and introduce visitors—B. F. Herr, Chas. B. Herr, Wade Gabry and Rutter Hess. Exhibition committee for Lenten Exhibits—Harry K. Rohrer, Elmer Weaver, J. L. Lockard and Ames Rohrer. Membership committee—Harry A. Schrover, J. H. Linkey, John Schrover and Frank Kohr. Sports committee—George Goldbach, Wilbur G. Van der Roper, N. G.

An adjournment was then made to a very delightful dinner where we had with us our two greenhouse builders, Dennis T. Connor of Lord & Burnham Co., and T. J. Nolan of the King Construction Co., also our former townsman, Chas. Edgar, and the genial representative of the H. F. Mitchell Co., D. J. Keohane. After the dinner Mr. Barr made an address thanking the members for his re-election and asking their co-operation for the coming year. He spoke of the elimination of trade jealousies and the rivalry that existed in Lancaster before the club was organized, and the fact that we now call each other by our first names. He made a strong plea for the elimina-

South American Sheep and Goat Manure

It is a fact that the manure of the sheep and goat is one of the most valuable fertilizers known to man. We have secured the Third 1000 Ton Cargo in New England and it is as good as any other that has ever been used.



Ferns, Palms, or any other plants, our S. A. S. & G. M. will do just what a full meal will do for a hungry man. Write us now—Give us a trial order and you too will come again.

SANDERSON FERTILIZER & CHEMICAL CO. Sole N. E. Distributors **NEW HAVEN, CONN.**

tion of the advance in prices on cut-flowers for the holidays, remarking that he would like to see this club go on record recommending a uniform price for cut-flowers with no advance for the holidays. At the conclusion of the address the writer presented Mr. Barr with a box of cigars, real ones from Lancaster City, complimenting him on his administration and as an evidence of the club's good will toward him.

Sports were then indulged in until all the sports went home. Dennis Connor won first in the bowling contest, T. J. Nolan second, George Goldbach the third, and Frank Kohr the thirty-third.

The next meeting, Feb. 18th, will be carnation night. Novelty men will get busy and advertise their stock by showing it.

ALBERT M. HERR.

CONNECTICUT HORTICULTURAL SOCIETY.

This Society held a most interesting meeting on Friday evening, January 22nd, in the County Building, Hartford. President Mason exhibited a fine collection of evergreens comprising some fifty varieties. He explained the good points of each variety and the best methods of propagation and protection during the winter months. Nathaniel Slocombe, of Farmington, displayed *Cypripedium insigne*, and John F. Huss showed *Platyclinis Cobbiana* from the Philippine Islands. The judges awarded each a first-class certificate. J. M. Adams was appointed a committee of one, with full power, to confer with the managers of the Connecticut Fair Association as to enlarging the exhibit of gladioli at the coming fair in September. C. H. Sierman presented in appropriate terms to John F. Huss, in behalf of the Society, a very handsome loving cup, neatly inscribed:

"Presented to John F. Huss in recognition of long and faithful service as President, Conn. Horticultural Society, 1915."

The next meeting will be held February 12th and will be primrose and cyclamen night.

ALFRED DIXON, Sec'y.
Wethersfield, Conn.

GARDENERS' & FLORISTS' CLUB OF BALTIMORE.

Ladies' night was observed Monday evening, January 25th. A very large audience turned out to hear Richard Vincent, Jr., lecture on "The Land of Burns and Scottish Scenes." The lecture was preceded by Scotch songs and recitations, and at the conclusion, the audience sang "Auld Lang Syne." It was the best evening's entertainment the club ever had. Refreshments were served.

COVER ILLUSTRATION.

Our cover picture this week shows an interior view of the great conservatories and swimming pool recently completed on the DeLamar estate at Glen Cove, New York, by the Lord & Burnham Co. This sumptuous structure with the plants included is said to have cost over one million dollars.

The entire establishment is heated by five L. & B. steam boilers, No. S-36-11. Two of the boilers are intended for heating the water in the pool, two more for the conservatory proper, and the third, for use in an emergency, should anything happen to the other boilers. The water in the swimming pool can be taken out, and the pool refilled with filtered water, in eight hours. All the water for the pool passes through two sets of filters.

Under the conservatory there is a large storage room for bay trees, etc., mushroom cellar; squash court, dressing rooms; shower baths; shooting gallery, and a ball room. In addition there is a cellar, partitioned off, for the boiler cellar, coal cellar, filters, etc. There is an electric elevator running from the basement to the ground floor, for taking plants to the conservatory.

All the heating pipes in the conservatory are concealed under the benches by bronze grilles and all the ventilating apparatus is concealed in the walls of the conservatory. The architect is C. P. H. Gilbert. The gardener in charge is Robert Marshall.

The members of the State Florists' Association of Indianapolis, Ind., will be the guests of F. Dörner & Sons Co., at Lafayette, Tuesday, February 2d.

LIQUID = "NICO-FUME" = PAPER

40% Nicotine		
8-lb. can	.....	\$10.50
4-lb. can	.....	5.50
1-lb. can	.....	1.50
3/4-lb. can	.....	.50

288 sheet can	.....	\$7.50
144 sheet can	.....	4.00
24 sheet can	.....	.85

THRIPS, - APHIS

SPRAYING-VAPORIZING-FUMIGATING

YOUR DEALER HAS THESE PRICES

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Incorporated, Louisville, Ky.



NIKOTEEN For Spraying APHIS PUNK For Fumigating

ASK YOUR DEALER FOR IT.

NICOTINE MFG. CO. ST. LOUIS, MO.

LEMON OIL CO'S STANDARD'S SOLUBLE IN WATER INSECTICIDE

Guaranteed under the Insecticide Act, 1910. Series No. 321

Save your plants and trees. Just the thing for Greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrip, Red Spider, Black and Green Fly, Mites, Ants, Insects on Rose-bushes, Carnations, etc., without injury to plants and without odor. Used according to directions our standard Insecticide will prevent ravages on your crops by insects.

Non-poisonous and harmless to user and plants. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pests. Excellent as a wash for dogs and other animals. Relieves mange.

Effective where others fail.

1/2 Pint...25c; Pint...40c; Quart...75c
1/2 Gal., \$1.25; Gal., \$2.00; 5 Gal. Can, \$9
10 Gal. Can...\$17.50

Dilute with water 30 to 50 parts.

For Sale by Seedsmen and Florists' Supply Houses

If you cannot obtain this from your supply house write us direct.

LEMON OIL COMPANY, Dept. K

420 W. Lexington St., Baltimore, Md.

Directions on every package

Cocoanut Fibre Soil WAR

Does not stop the use of Humus. All seedsmen keep it in stock. It is the last word in Fertilizing Humus. Send for Prices.

20th CENTURY PLANT FOOD CO.

27 & 29 OCEAN ST., BEVERLY, MASS.

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Copyrights

Send your business direct to Washington. Saves time and insures better service. Personal attention guaranteed. Thirty years active service.

SIGGERS & SIGGERS

PATENT LAWYERS

Box 9, National Union Building
Washington, D. C.

TO USE
WIZARD BRAND MANURES

IT PAYS

Dry, clean, convenient
highly concentrated.

Sheep or Cattle MANURES

Pulverized or Shredded

Each kind separate and pure. The best for all greenhouse, field and landscape uses. Ask your supply man for

WIZARD BRAND

The Pulverized Manure Co.

31 Union Stock Yards, Chicago.

SCOTCH SOOT

Where there is a house that is just full of buds almost ready to show color, nothing will turn better color into the flowers than a little soot, that can be scattered over the benches before watering. The amount applied should not be excessive, as the soot is very strong and may damage some of the foliage somewhat. Apply just enough to blacken the surface of the soil in the benches, and let it go at that. Better a little oftener than too much all at once.

We offer the genuine in original cwt. Sacks, at:
\$4.00 per 112 lbs.; \$17.50 per 560 lbs.

Stumpp & Walter Co.

30-32 Barclay Street, NEW YORK

Don't think you are conferring a favor when you advertise in a trade paper. Educate yourself to the idea that you are seeking to expand your business and that the trade paper is one of your most potent promoters to this end.—Commercial Journal.

THE APHINE MANUFACTURING COMPANY

Caterers to Florists and Gardeners

Manufacturers of



The Recognized Standard Insecticide.

A spray remedy for green, black, white fly, red spider, thrips, mealy bug and soft scale.

FUNGINE

An infallible spray remedy for rose mildew, carnation and chrysanthemum rust.

VERMINE

A soil sterilizer for cut, eel, wire and angle worms.

SCALINE

A scalcide and fungicide combined for San Jose and various scale on trees and hardy stock, and various blights which affect them.

"40% NICOTINE"

A free nicotine, 40% strength, for spraying and vaporizing.

NIKOTIANA

A 12% nicotine solution properly diluted for fumigating or vaporizing.

If you cannot obtain our products from your local dealer, send us your order and we will ship immediately through our nearest agent.

Aphine Manufacturing Co. MADISON, N. J.

GEO. A. BURNISTON
President

M. C. EDEL
Treasurer

Plantlife Insecticide

A tobacco preparation used by the best growers for dusting and spraying.

Write for book of testimonials and prices.

THE PLANTLIFE CO.

251 East 66th St., New York, N.Y.

Aetna Brand Tankage Fertilizer

Is the best balanced Fertilizer on the market, and is giving satisfactory results wherever used.

Farmers and Florists Fertilizer Company

809 Exchange Ave., Room 5, U. S. Yards,
CHICAGO, ILL.
Telephone—Drover 1932.

Est. 1765

FOR "POT LUCK" USE

Inc. 1904

Pot Makers for a
Century and a Half**HEWS STANDARD POTS**World's Largest
Manufacturers

AND RED EARTHENWARE SPECIALTIES

Write for Catalogue
and Discounts**A. H. HEWS & CO., Inc., Cambridge, Mass.**Warehouses:
CAMBRIDGE, MASS.
NEW YORK, N. Y.**During Recess****Southampton Horticultural Society.**

The annual banquet of the Southampton Horticultural Society was held in the Commercial Hotel, Southampton, N. Y., on Jan. 20th, when there was a large attendance of members and their wives who sat down to a very tastefully served dinner, there being some 60 diners present.

President Martin McLaughlin presided at the tables in his usual able manner, introducing the many speakers, including Wm. G. Gomersall of Nyack, who was listened to with interest. Walter J. Jagger of Southampton, who gave an interesting paper on "The Value of Education to the Farmer," and was heartily applauded, and W. D. Van Brunt, who gave a very pleasing address on Southampton and the Horticultural Society. The spirit among the members present gave only one impression: that the Southampton Horticultural Society is united and intends to carry on the good work of the past with greater vigor in the future.

At the regular meeting on Jan. 21st it was decided to hold the annual show in July, particulars of which will be published later. The next meeting will be held in Odd Fellows' hall on Feb. 4th at 8 P. M., when any horticulturalist in Southampton will be welcomed.

S. R. CANDLER, Cor. Sec.

New York and New Jersey Association of Plant Growers.

The seventh annual dinner of the New York and New Jersey Association of Plant Growers will be held in the Green Room of the Hotel McAlpin, on Tuesday, February 9th, 1915, at 6.30 P. M. The price of the tickets will be five dollars per person. Music, vaudeville acts and dancing have been provided for. The committee has made all arrangements and assures everyone of an enjoyable evening. The dinner committee consists of Julius Roehrs, chairman, William H. Siebrecht, Jr., Herman C. Steinhoff.

**New York Florists' Bowling Club.
January 21, 1915.**

	1st	2nd	3rd
G. Fine Game	168	168	160
J. Moesen	157	157	150
C. W. Scott	157	152	150
P. Jacobson	153	153	149
W. Persson	141	137	150
H. C. Riedel	172	175	150
A. M. Hirschman	141	141	152
W. H. Siebrecht	153	157	149

The annual ball of the Lenox Horticultural Society was held on the night of Friday, January 22.

Chas. O'Brien, florist, of Waltham, Mass., and Frances J. Weir were married Jan. 24th.

NEW CORPORATIONS.

Stratford, Ct.—Hollister Heights Floral & Nursery Co., capital stock \$5000. Incorporators Wm. G. and Chas. F. Roehrick and Wm. F. Ruscoe.

Washington, D. C.—The Washington Floral Company was last week incorporated with a capital stock of \$1,000 divided into ten shares of a par value of \$100 each. The trustees of the corporation are J. Louis Loose, Nellie R. Loose, and Charles F. Diggs. The offices of the corporation are given as at 1349 R street, Northwest.

**GREENHOUSES BUILDING OR CON-
TEMPLATED.**

Clifton, Mass.—James A. Neal, one house.

Caro, Mich.—A. J. Packer, range of houses.

Valhalla, N. Y.—Mrs. Lizzie Cateron, one house.

Mt. Washington, Mo.—Hunting Floral Co., addition 16x50.

Havre Hill, Mont.—Mrs. L. C. Trump, 6th street, one house.

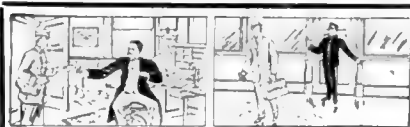
PATENTS GRANTED.

1,125,122. Combined manure loader and spreader. William John Koenig, Underwood, N. D.

1,125,139. Fertilizer Distributor. Robert Love, Syracuse, N. Y., assignor by mesne assignments, to Deere & Company, Moline, Ill., a corporation of Illinois.

1,125,378. Plant Protector. Harrison S. Nichols, Oakes, N. D.

7,125,534. Self-Cleaning Weed-Cutter. Nick Hoffman, Charles L. Triplett, Thomas D. Fawcett and William H. Fawcett, Pomeroy, Wash.



A man's mail will reach him where no mortal can

Mailing Lists 99%
Guaranteed

covering all classes of business, professions, trades or individuals. Send for our complete catalogue showing national count on 7,000 classifications.

Ross-Gould 564 N. 9th St. St. Louis

The best **PAPER POT** for shipping purposes. Sizes from 2 in. to 6 in.

Ask your dealer for them. Samples free.

E. ALLAN PEIRCE,
401 Oaks St.,
Waltham, Mass.

KING

The name that assures "the most for the money" in

GREENHOUSES

Write for Bulletin No. 47 and you will see why.

KING CONSTRUCTION CO.

28 King's Road, N. Tonawanda, N. Y.

TRADE

**SKINNER
SYSTEM**

OF IRRIGATION.

MARK.

for Farm, Garden,
Lawn and Greenhouse

Ask for Information

GEO. N. BARRIE
BROOKLINE, - - MASS.**DREER'S**

Florist Specialties,
New Brand. New Style,
Hose "RIVERTON"
Furnished in lengths up
to 500 ft. without seam or
joint.

The **HOSE** for the **FLORIST**
1/2-inch, per ft., 15 c.
Reel of 500 ft., " 14 1/2 c.
2 Reels, 1000 ft., " 14 c.
1/2-inch, " 13 c.
Reels, 500 ft., " 12 1/2 c.

Couplings furnished
HENRY A. DREER,
714 Chestnut St.,
PHILADELPHIA, PA.

1000 READY PACKED CRATES**STANDARD FLOWER POTS AND BULB PANS**

can be shipped at an hour's notice. Price
per crate:

2000 1 1/4 in. @ \$6.00	500 4 in. @ \$4.50
1500 2 " " 4.88	456 4 1/2 " " 5.24
1500 2 1/2 " " 5.25	320 5 " " 4.51
1500 3 " " 6.00	210 5 1/2 " " 3.78
1000 3 1/2 " " 5.00	144 6 " " 3.16
800 3 1/2 " " 5.50	120 7 " " 4.20
	60 8 " " 3.00

HILFINGER BROS., Pottery, Fort Edward, N. Y.

August Roiker & Sons, 51 Barclay St., N. Y. City, Agents

OUR SPECIALTY—Long Distance and Trade Export

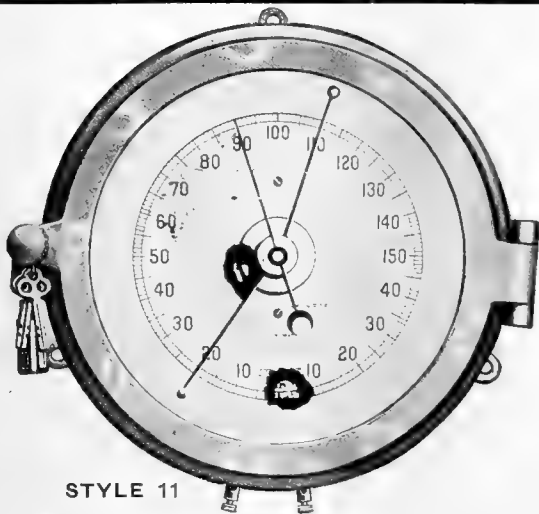
**STANDARD FLOWER
POTS**

If your greenhouses are within 500 miles
of the Capital, write us, we can save
you money.

W. H. ERNEST

28th & M Sts. Washington, D. C.

When writing to advertisers kindly
mention **HORTICULTURE**.



A LOYAL FRIEND

On the job night and day. Adjust the hands at minimum and maximum temperature and this always-awake little instrument will warn you if temperature goes below or above the limit. **PADLOCKED** and cannot be tampered with. Absolutely accurate. You can locate the warning bell at your bedside or elsewhere.

The Standard Thermometer Company, December 26, 1914.
65 Shirley Street, Boston, Mass.

Gentlemen: Enclosed find check for ten dollars for two number one thermostats. Purchased of you two clocks and two thermometers in past and have had such good success with them am going to put these in remaining houses. Please hurry shipment as soon as possible.

Yours truly,
(Signed) GEORGE C. WHITCOMB.
Streator, Ill.

Costs but \$10.00

STANDARD THERMO CO., 65 Shirley Street
BOSTON, MASS.

NOW SEND US THAT INQUIRY ON

Greenhouse Construction and Heating Material

Hot Bed Sash Pecky Cypress Celery Boards
Knock Down Plant Boxes

PROMPT SHIPMENTS

THE FOLEY GREENHOUSE MFG. CO.

3275 West 31st Street, - - - CHICAGO, ILL.

SHARP, PARTRIDGE & CO.

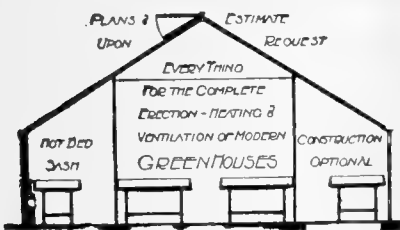
Are Leaders in

GREENHOUSE GLASS

OUR PRICES WILL PROVE THIS.

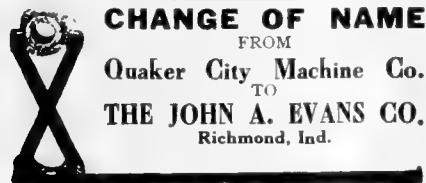
CHICAGO, ILL.

S. JACOBS & SONS



1359-1385 Flushing Ave.

BROOKLYN, - - - N. Y.



THE FLORISTS' HAIL ASSOCIATION OF AMERICA, insurer of 39,000,000 sq. ft. of glass

For particulars address

John G. Esler, Sec'y Saddle River, N. J.

GET OUR CATALOGUE

On Ventilating Apparatus and Greenhouse Fittings.

ADVANCE CO., RICHMOND, MD.

GLASS

Greenhouse Material Hot Bed Sashes

Our prices can be had by mail, and it will pay you to get them. We carry the largest stock of Specially Selected Glass in Greater New York and can supply any quantity from a box to a car load on a one day notice, and at Rock Bottom Prices.

PARSHELSKY BROS. Inc.
215-217 Havemeyer St., Brooklyn, N. Y.

Dreer's Peerless Glazing Points For Greenhouses

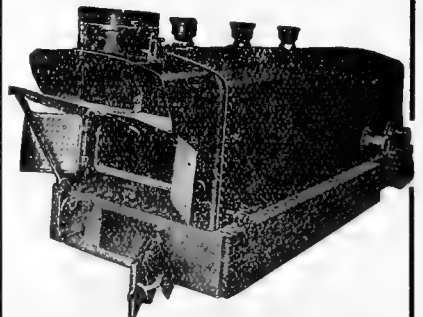
Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts. The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid.
Samples free.
HENRY A. DREER,
714 Chestnut Street,
Philadelphia.

FULL SIZE No 2

KROESCHELL BOILER

SEND FOR CATALOGUE



KROESCHELL BROS. CO.
466 W. Erie St., Chicago, Ill.

SECOND HAND PIPE

Guaranteed capable of pressures necessary for irrigation. Newly threaded and coupled.

Special LOW PRICES for WINTER DELIVERY

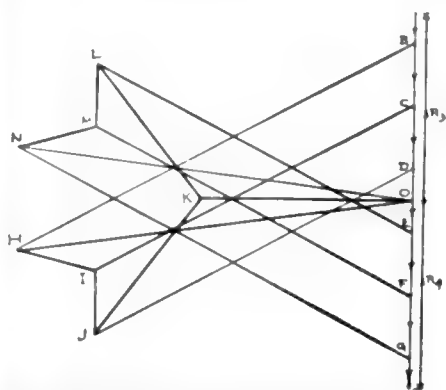
Largest dealers in all sizes of Second Hand Storage and Pressure Tanks, Boilers, etc.

We are Agents for
THE SKINNER SYSTEM

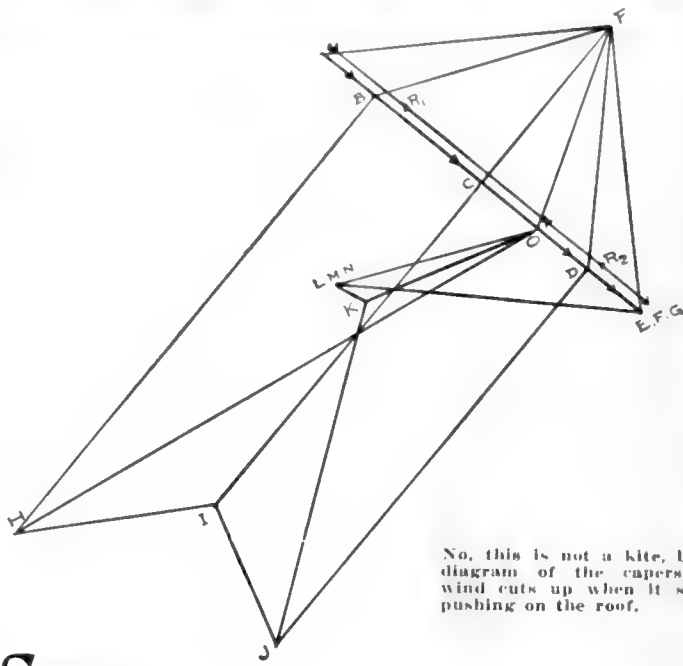
THE PERRY, BUXTON, DOANE CO.
200 West First St., So. Boston, Mass.



Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.



This simple little Chinese puzzle has to do with the load of the roof exerted on the rafter at a certain point.



No, this is not a kite, but a diagram of the capers the wind cuts up when it starts pushing on the roof.

How We Make Sure Our Roofs Are Safe and Sure

IT'S easy enough to say that if a piece of iron, of a certain size and strength, will support a load of so many pounds, that one twice the size, would support twice the load. That's good enough as far as it goes—but it doesn't go far enough when it comes to greenhouse construction. It doesn't, because every

foot in width that you add to a house, you shift the load. It may increase the load by three, at some points, and decrease it by a half, at others. You absolutely must know to a pound—almost to an ounce just

- (1) How much the weight of the frame itself will be;
- (2) How much the wind pressure will be;
- (3) How much the snow pressure of an estimated given amount will be;
- (4) How and where the pressure will be shifted from one member to another.
- (5) How much margin should be figured in for a "safety factor" or the allowing of a surplus of strength for extraordinary conditions of snow and blow.
- (6) You must know not only the weight and pressure exerted on the entire structure, but exactly what the weight and strain will be at any point.

These are things that can't be figured out on the back of an envelope "while you wait."

It takes days, sometimes even weeks, to do it. But we never materially increase the width of our houses or make any radical change in our construction, without first having our engineering department figure out stress and strain diagrams, like these shown here. These particular ones were worked out to prove to ourselves that we could safely build a house 83 feet wide and use only two columns.

These diagrams proved beyond all doubt that it was a safe and sure proposition; but also showed to us that it was possible to greatly simplify our first construction diagram, making the house more desirable

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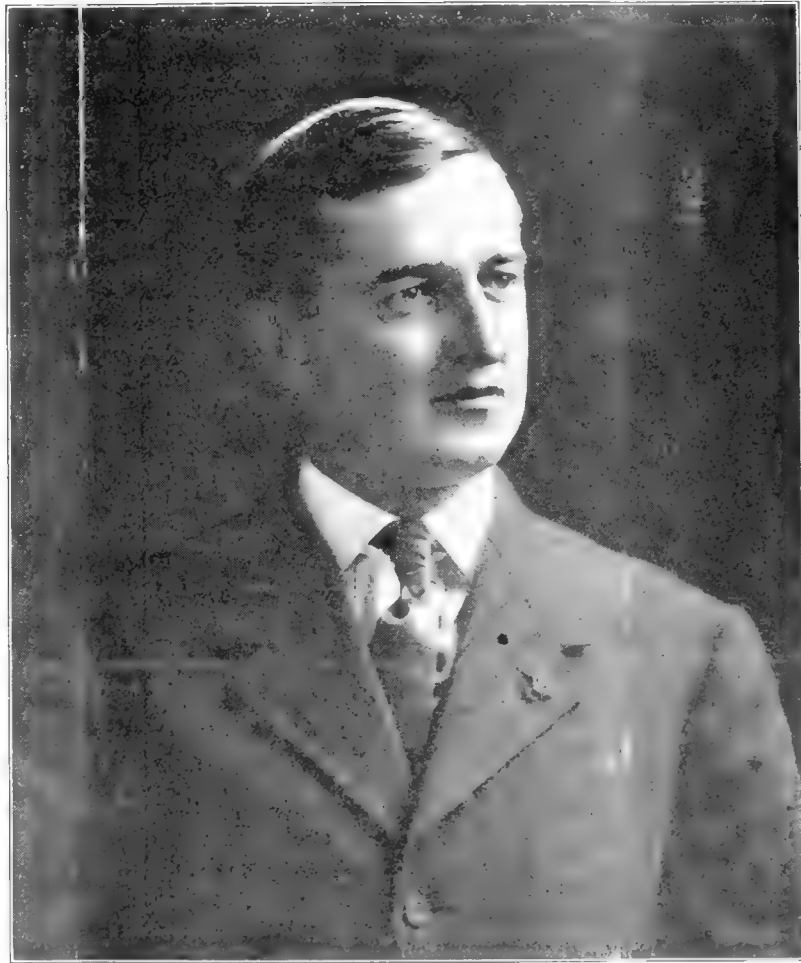
Vol. XXI

No. 6

FEB. 6

1915

HORTICULTURE



Joseph H. Hill

President elect American Carnation Society

Published Every Saturday at 147 Summer Street, Boston, Mass.
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NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil."—*Pope*.

Care of Smilax Beds

Smilax beds that were cut down for the early winter trade will need some cleaning up and working over. Keep these beds on the dry side until they show signs of new life. They can have a good syringing on all good days which will just provide enough moisture to suit their resting condition. Give them a steady night temperature of about 60 degrees. When new growth shows nicely all over the surface, a coat of bone meal, followed by a half-inch mulch of old manure and loam in equal parts can be put on. This mulch can be renewed about once a month. As the plants show a tendency to run, give them silkline to climb on. Do not keep the atmosphere too humid as it always makes the strings soft; give ventilation on all possible occasions.

Cyclamens

The young plants for next winter's crop should have every encouragement. If elevated on shelves or in a house kept at 55 degrees at night, they will be all right. When ready for their first potting, use a compost of three parts loam and one-half part each of well decayed dried manure and leaf-mold with some sand added. Continue to give the potted plants the same temperature as when in flats. So long as they remain in flats go over them once a week and scratch over the surface soil. Avoid a close atmosphere, as this will cause the plants to become leggy. You cannot keep the plants too near the light if you want them stocky. To grow cyclamen well, these points should be considered, viz.: Constant heat, a moist atmosphere, free drainage and an ample water supply. Insect pests should never be given any quarter. A spraying once a week with a reliable nicotine solution will keep the plants clean. Air should be given but not in the nature of a draft, but in such quantities as to keep a sweet atmosphere in the house.

Chrysanthemums

Each one must decide for himself the best time to propagate, but these dates I have found most satisfactory: February for fine specimen bloom in pots; March and up to April 15 for bench culture; end of April and up to May for 6-inch pots. Some varieties rooted in May seem to do as well as when rooted earlier. Secure, if possible, a house with a northern aspect for the propagating with no heat under the benches. Use a good gritty sand. Water well and pound as hard as possible. Insert the cuttings firmly, leaving no air space under the cuttings. Two and one-half or three inches is the right length. Trim the bottom leaves with a sharp knife, if the foliage is heavy; this will help the

cutting and prevent damping. Spray lightly once or twice a day, but have the house dry at night. Allow no wilting; protect with papers, for if once wilted they become hard and it takes some time to get over it. In from 15 to 20 days they will be rooted if kept in a temperature of 45 or 50 degrees nights; day, 55 or 60 degrees with sun heat. As soon as the roots are one-half inch long, transplant from the sand at once; sand having no nutriment, they will draw up badly if neglected.

Jerusalem Cherries

These make very fine plants for Christmas. Where you intend to grow this stock from seed, lose no time in sowing it now and they will produce nice bushy plants for next Christmas. From 60 to 65 degrees will be right. For the starting of the seed any good sandy soil that is fairly open will do. Keep the flats or pans covered with a piece of glass until the seeds have pushed forth their growth. When they have attained sufficient size to handle, pot into small pots and grow on and shift as they may require it. Give them plenty of light and a good syringing on all bright days. After they are potted, do not keep them too warm. Fifty to 55 degrees at night will suffice. Continue this treatment until the end of May when they can go outside. Where you have saved some stock plants you can start and propagate and in a couple of weeks these will make fine plants also. Fumigate often for greenfly as these often become troublesome.

Orchids

From now on all orchids will be showing more active growth that always comes with the stronger sun and the increased length of the days. There will be quite a few cattleyas that have had a nice rest and just before they begin to grow is the best time to repot or top-dress them. The material most used is either fern fiber or sphagnum moss and fibrous peat. When potting orchids always be sure that they have an abundance of drainage of crocks and charcoal. See that all are potted firmly and staked if necessary until they become well established. These newly potted orchids will want frequent syringings, and plenty of moisture in their surroundings. Give strict care as to watering, but never overdo it. Ventilate on all possible occasions and keep the plants clean by frequent sponging.

Watering

Now that the days are becoming longer and the sun stronger remember that all plants will require more water, so use water freely on all crops and pot plants that have plenty of roots.

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cation, being carefully avoided. Nobody can question the advantage accruing to the flower trade of Buffalo from the education thus freely given the public of the city, or the great special value to the carnation and those who grow it commercially, of this demonstration of its decorative uses and its claims for popular favor. In this innovation and in the splendid originality of the banquet hall decoration the Buffalo florists set a standard which no future carnation convention can dare to ignore. It marks a permanent progressive step.

Harmony without incum- brance

We are much pleased with the attitude taken by the American Carnation Society in its action at Buffalo as regards participation in the National Flower Show at Philadelphia next year. When it is shown, as the secretary of the organization demonstrated from his records, that the shifting of the date of the annual meeting from January until March means loss of membership and partial disintegration no fair-minded person can upbraid the Society for conserving its vital interests and holding on to the only course which will keep it from disaster. The unanimity and sincere enthusiasm with which the proposition was adopted to participate to the fullest extent in the Philadelphia event in addition to the annual convention in St. Louis two months previous, is the best sort of assurance to the S. A. F. that it has no more harmonious ally among its various special auxiliaries than the devotees of the divine flower, and whatever misgiving might possibly have arisen in some past years in this particular can no longer be entertained.

Build now

The slogan which Boston business boosters have adopted, "build now," seems to have met with a reception even more enthusiastic than its originators looked for. It is pointed out that action on the line suggested by the motto will have broadly a double effect, in that it will give practical help to the unemployed and at the same time will benefit the inventor on account of the low prices at which materials may now be bought. Why should not this suggestion have a pertinent bearing also on the matter of greenhouse building? Notwithstanding the opinion prevalent with some classes of the florist business that greenhouse building has been carried to the limit of the need for such property, there is really no foundation for expectation that the construction of modern greenhouses will be curtailed, but rather, on the contrary, it is bound to increase and extend beyond comparison with the record of past years. The only element of doubt is as to whether it is to proceed uninterruptedly now or is to be restricted temporarily until general business commences to hum and values on all building material, labor and capital, are advanced by the impetus of revived activity. We believe that the greenhouse builders will be able to show any intending investor that the present is a most favorable opportunity, while the well-informed grower needs no argument to convince him that the only road to sure success under the conditions of today lies in first-class modern building, heating and equipment and the longer one holds on to outclassed, obsolete and worn out structures the harder it will be for him eventually to recover lost ground or even hold his own. Build now, if you are ever going to make an effort to "get there." The moral effect of an optimistic, self-reliant movement now would do much to further establish the flower growing industry in the estimation of the financial world. "Build now."

The march of progress

The retail florists of Buffalo showed a most praise-worthy spirit in their action in contributing examples of carnation dinner table decoration, simply for the common good and without any competitive or advertising character. There were nine of these tables prepared by nine leading retailers, all marks of identi-

ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur Ruzicka

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

Drainage

The recent very rainy weather shows that it is necessary to make provision for draining off the water that has no chance to sink into the frozen earth, and would run into the cellars at the very first chance. In the summer when all things are high and dry, is a poor time to figure out just where the water will run to, or where it will come from. At this time of the year, however, it does not take a man long to see just where it is necessary to locate catch-basins, and cesspools to keep the water from flooding the place. We know of an instance where this came near ruining the whole place for several men, and it was only the mild weather that saved the grower's crops. With all that could be done, water rose and rose in the cellars until the fires were put out, and then the whole place was cold. During a rain storm go over the place and see where the water collects. The ground is frozen now so that it cannot be done at once, but mark the places where it will be necessary to fill or to dig out. This work can easily be done next summer when it will be too warm to work inside. The men will enjoy a little work outside and the money expended will be well invested. It is a good plan to have several Kinney pumps on hand. These are very inexpensive, and will take out water in very little time. They work with city water pressure, and can be used in watering with liquid manure. They are a very good investment on any place where there is the slightest danger of water running into the cellar.

The Novelties

There are, as usual, a number of new roses that will be sent out this season. Many promise to be very good. Try them out in small quantities and see what they will do. Some growers will have a knack of handling any variety that comes along, and get it to respond to their treatment, while others can only grow certain varieties real well. We find that almost every variety has certain peculiarities of its own, and if these are complied with when growing, the variety will do twice as well as when it is given just ordinary culture. To find these out it

is impossible to write just how to do it, as conditions are different at nearly every place. But a good grower will "see things" as soon as he enters a house, and this will enable him to give these little touches that certain varieties require to do real good.

Clean Pots for Young Stock

If the pots that were used last season have not been washed up during the summer months, do not use them if the plants are to remain in them for any length of time. We never use dirty pots at all, even washing the pots that have been used and from which plants have been shifted to the larger sizes. It is very little trouble to do this, for if it is done at once as soon as the plants are taken out and while the pots are still moist, they can be washed very rapidly, especially where a pot-washing machine is used for this work. These machines are such time-savers that we do not see why they are not installed on more places. A small electric motor will run these to perfection, and the work that they will turn out is surprising when compared to the old way of washing all the pots by hand.

Croaking the Pots

This seems so unimportant that it is done at times without any consideration whether it is done well or not. When the plants are to be shifted into larger sizes, it is well to see that the pots are well croaked to insure perfect drainage. There is nothing that will hamper plants more in growing than poor drainage, especially when accompanied with dirty pots. The plants will always have a sickly look when these are together. Charcoal makes ideal drainage material, and there are places where it can be made without any extra cost. Where this is so, there is nothing better. However, it is not absolutely necessary and any clean, coarse materials will do very nicely, such as screened gravel, broken pots, cinders and so on. Do not use fresh cinders unless it has to be. These have a certain amount of foul gases in them, that will not do the plants any good.

RAISING HOLLY FROM SEED.

HORTICULTURE, Boston:

Can you advise me as to how, when and where to sow holly seeds and raise the young plants? C. A. Virginia.

In reference to the holly seed sowing, I wish to state that the seed should be treated the same as *Berberis Thunbergii*, hawthorn and many similar seeds of stony nature. When collected good and ripe in the fall, the seed should be buried in sand or "stratified"—until the following spring, and then sown in drills in a well pulverized bed and covered with an inch of soil and some pine or spruce branches to protect them from the hot sun when they begin to sprout; or into a frame as nurserymen usually do, with some lattice work for shading. Plants should remain two years in the seed bed, and

afterwards can be transplanted into nursery rows with ample distance, to remain as much time again, when they should have become fine specimen plants. J. F. Hess.

Hartford, Ct.

FUMIGATING ANTIRRHINUM.

Dear Sirs:
Kindly state what is the best fumigator for Antirrhinum.

Yours very truly,

Pa.

S. A.

Some tobacco preparation is generally the best and safest fumigant to use for antirrhinums. All fumigation should be done moderately and often—heavy smoking will burn the foliage. There are several commercial preparations put up in liquid, paper or dust form that are advertised in HORTICULTURE that can be used with good re-

sults on green fly or other insect pests of the snapdragon.

DO YOU KNOW THAT—

The carnation was known in Greece 2,000 years ago as the Gilliflower.

About 98 per cent. plant food is secured from the air.

Leaves are the special organs of plants for throwing off water taken in by the roots.

Too much nitrogen weakens stems and causes rank growth.

Sulphate of ammonia will impart a very rich, dark color to the foliage of plants.

All boilers should be provided with a blow-off pipe at the bottom, which should be opened once or twice a week to clean out any sediment which may accumulate.

IRIS TINGITANA *Boss and Reut*

Collected by the Dutch
IRIS TINGITANA

Iris tingitana is one of the Mediterranean type of bulbous Iris, and in spite of the fact that it was discovered many years ago, it is still somewhat rare under cultivation. It was first flowered in cultivation somewhere around 1884 in several gardens in Europe. I have not seen the bulbs offered in any of the American bulb catalogues, but they can be obtained from several of the Dutch growers.

It is an extremely handsome plant as may be seen from the photograph of specimens growing in the Brooklyn Botanic Garden. The stems attain a height of about 2 feet, each bearing from one to three flowers. The flowers are from four to five inches across and have extremely delicate coloring. The standards are slaty blue with dark blue veins, the style arms are dark blue tinged with reddish purple having a metallic sheen. The falls have a broad lip, with a golden yellow blotch, on a white ground, which merges gradually into a bluish edging similar in color to that of the standards.

The fact that it grows wild round about Tangiers, in Morocco, gives some indication of the kind of treatment it requires under cultivation. It will grow out-of-doors in sections where the temperature does not fall below 20° Fahr. A sunbaked situation, with well drained, porous, rich soil is required in order to produce bulbs that will give flowers the following spring. As growth takes place in early spring a position should be chosen where it will be possible to give protection in case of late spring frosts.

It is, however, as a plant for forcing that this Iris is likely to be most valuable. For connoisseurs, desiring a plant which is somewhat different from the ordinary run of forced stock,



Collected by the Dutch
IRIS TINGITANA.

and one that will come into flower early, *Iris tingitana* is likely to be eminently desirable.

The plants from which the photograph was made were potted up in the fall in a 6-inch pot and plunged in ashes out-of-doors. After the first light frosts they were brought indoors, and grown along gradually in a cool house, in which a night temperature of about 50° was maintained. Under this treatment the plants came into flower on January 18. By giving a slightly warmer temperature, it should be possible to have them in flower much earlier than this. I am hoping that, as a result of generous feeding with concentrated fertilizers, it will be possible to produce bulbs in pots that will bloom the following year.

M. FREE,

Head Gardener Botanic Garden, Brooklyn, N. Y.

BEAUTIFYING HOME GROUNDS.

Valuable hints on the planning and planting of gardens and numerous other ways for improving grounds around the home were told by members of the teaching staff of the Massachusetts Agricultural College under the auspices of the Massachusetts Horticultural Society in Horticultural Hall, last Saturday.

A. S. Thurston, who spoke in the afternoon on "Herbaceous Annuals and Perennials," said, "The golden rod should be in every garden, but a great many people think it too common because they see it growing by the roadside and in the fields.

"Yet in most conservatories where they go and buy there are plants that are just as common in foreign countries as golden rod is here. If we go abroad, we see golden rod from America grown in the finest private gardens."

Fine stereopticon views of gardens with the different varieties of plants growing in them were shown and their beauties described by Mr. Thurston.

Professor A. H. Nehrling also gave an instructive address on "Practical Management of the Home Garden."

During the morning there were talks on trees and shrubs by Professor A. K. Harrison; garden planning by P. H. Elwood, Jr., and garden furnishings by Professor F. A. Waugh. Professor Harrison urged the advantage of further study of the adaptation of trees and shrubs to landscape effects on the home grounds.

It was the intention of the Florists' and Gardeners' Club of R. I. to install the officers and hold a banquet at their January meeting, but because of the inclement weather many were unable to attend and it was voted that the event be postponed until the February meeting.

OBITUARY.

William R. Keay.

William R. Keay, florist, of Lowville, N. Y., died on January 22 of congestion of the brain. Mr. Keay was born in Scotland 51 years ago, and came to this country 26 years ago. He had been a resident of Lowville 16 years and was highly respected by all who knew him. He is survived by his wife, three sons, David, who is in the United States navy, and John and William, four daughters, Mrs. Jerry Roland, Herkimer, and the Misses Anna, Genie and Agnes.

It has been announced by the Department of Special Events, of the Panama-Pacific Exposition, that June 4, 1915, has been officially designated as American Sweet Pea Society Day.

CLUBS AND SOCIETIES

AMERICAN CARNATION SOCIETY The Trip to Lancaster.

Thursday afternoon was very profitably spent by the visitors in a ride by train as guests of W. J. Palmer to the Palmer greenhouses at Lancaster, some ten or twelve miles from Buffalo. Mr. Palmer has a fine establishment of about 200,000 sq. ft. and the houses are devoted to a general line of plants and flowers required in a city floral store, but largely to carnations and to forced bulb stock. Among the carnations the varieties Scarlet Glow, Philadelphia Pink and Sunbeam—the latter a particularly soft and lustrous pink—were the objects of especial admiration. On entering the office the first thing to catch the visitor's eye is the motto, "No home is complete without flowers." Pass it along.

The Banquet.

The banquet hall of the Iroquois Hotel on Thursday evening, January 28, was an object lesson and inspiration in floral decoration. Arches of smilax terminated at the capitals of the columns in rich outbursts of carnations in brilliant variety of color. There were artistic touches in plenty and the toastmaster's reviewing stand was a unique and impressive success as a frame work for the sturdy form and expansive smile of Buffalo's eminent citizen, Wm. F. Kasting, post master and past-master toastmaster, the shining light of this memorable occasion.

The banquet was a success in every way. After the savory viands had been annihilated, Toastmaster Kasting began the business of the second section with a few opening words and introduced the president of the Buffalo Florists' Club, Wallace H. Eliss, who voiced a welcome to the visitors. J. A. Valentine next responded for the "subsidiary societies." S. J. Goddard followed, thanking the members for their loyal support during his presidency. W. R. Pierson said some good words for the American Rose Society, George Asmus for the National Flower Show and C. S. Strout for the State of Maine. F. R. Pierson extended a cordial invitation to the International Flower Show in New York City and was followed by President-elect Jos. H. Hill, W. J. Palmer, S. A. Anderson, Fred Brown, George B. Urban, J. H. Dunlop, F. E. Dorner, A. F. J. Baur, W. A. Manda, J. F. Ammann, who spoke for St. Louis, the next meeting place, W. J. Stewart, and Unser Louis Neubeck, all of whom had something merry or otherwise appropriate to say. Then came the reading of the final resolutions by J. A. Valentine and "Auld Lang Syne" as a fitting finish to an occasion that will be long remembered by those who participated.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

Board of Directors' Meeting.

President Patrick Welch has issued a call for the meeting of the Board of Directors at the La Salle Hotel, Chicago, Ill., Monday, March 1, at 10 A. M. JOHN YOUNG, Sec'y.

FLORISTS' CLUB OF PHILADELPHIA.

The regular monthly meeting was held on the 2nd inst. After routine the essayist of the evening Adolph Farenwald spoke about the S. A. F. So far as your scribe could gather, his idea seemed to be that the reserve fund of the S. A. F. should be used for advertising the business—for the benefit not only of the growers but the retailers. Finally, a motion, something to that effect, was carried. What business the Philadelphia local club had to presume to dictate to an entirely distinct and different organization did not appear. But Mr. Farenwald made it quite clear in another discussion when he told them that last month's vote about the exhibition hall at Allegheny Ave. didn't amount to anything; that the matter was entirely up to the S. A. F. committee and the Florists' Club had nothing to do with it—which is quite true. That's the funny part of it. Why should we worry?

The essay committee of which Mr. Farenwald is chairman, announced that the March meeting will be devoted to carnations. The speakers have not yet been selected. Leo Niessen spoke in favor of co-operative advertising, also condemned strongly selling through department stores. Any outlet seems good to the growers, but evidently Leo was thinking more of his retail clients while he spoke thusly. It's a kittle question. We do not pretend to answer it. But with all due deference it seems to us that the commission man is the growers' man. The retailers so far as we have observed are abundantly able to take care of themselves. It, therefore, looks as if it were up to the commission man to try to get the best results.

An Institute meeting will be held March 5th and 6th and a committee was appointed representing the club. This is the old Farmers' meetings of which our good friend Ed. Lonsdale made such a success some eight years ago. David Rush has now taken the matter up as county representative and we are to have a good old revival. Ed. in his sick bed in California will rejoice and say that a man's good work does really bear fruit after all. Fred Michell, Jr., Thomas B. Meehan and others will represent the Florists' Club. The Pennsylvania Horticultural Society is also a co-partner and will be well represented.

HORTICULTURAL SOCIETY OF NEW YORK.

The Annual Fall Exhibition of this society will be held on November 4th to 7th, inclusive, at the American Museum of Natural History. The schedule of premiums is now being prepared, and as soon as ready announcement will be made in these columns. This is the big autumn show around New York, and it is hoped that other societies in this vicinity in fixing the dates of their shows will avoid this period in so far as possible. Such action will accrue to the best interests of all.

GEORGE V. NASH, Sec'y.

AMERICAN ASSOCIATION OF NURSERYMEN.

Message From the Secretary.

Seven years ago this Association held its annual meeting in Detroit, Michigan. At the Cleveland convention of 1914 Detroit was again practically unanimously chosen for the meeting of 1915. So much enthusiasm was evinced in the discussion as to the city in which our fortieth anniversary should be celebrated that we consider ourselves warranted in boosting "the City Beautiful" in anticipation of June 23-25, next. It is such fun to be a "booster," because, after your energy has been spent, such a delightful satisfaction gets up under a man's vest as he congratulates himself on his success, always, of course, presuming that he has boosted in a good cause. So let us all assume the role of the booster in one united effort to make this fortieth anniversary the most notable in the Association's history—notable in the size of membership, notable in attendance and notable in all other ways that shall build up the business of the legitimate nurseryman.

To this end let every man look after the fellow who is "not on the list." President Chase is on the war path. He has appointed a committee of seven live men to boost the membership, with Brother Will Munson, of Texas, as chairman. Somethin' doin'.

As already announced, Hotel Cadillac will be headquarters. Mr. T. I. Ilgenfritz (some call him "Tom") is chairman of the committee on arrangements and entertainment. He has made the personal acquaintance of the manager of the hotel, who has promised not only to do his best to give satisfaction equal to that felt seven years ago, but to surpass it as far as his capabilities will permit.

The entertainment mill is working and we will shortly be able to take members more fully into the committee's confidence. The program mill is also grinding, and we suggest that members write to Brother C. R. Burr, Manchester, Conn., any thought they may have that will be helpful to him.

I shall be glad to give prompt attention to all inquiries regarding membership, etc.

Yours for a 1915 boom,

JOHN HALL, Secretary.

204 Granite Bldg., Rochester, N. Y.

NEW ENGLAND NURSERYMEN'S ASSOCIATION.

Charles H. Greaton of Providence, R. I., who served last year as vice-president was elected president of the New England Nurserymen's Association at the annual convention held in the Narragansett Hotel, Providence, Jan. 27. The convention was well attended and spirited debates arose over the sale of surplus stock and methods of management. Nursery experts from many sections of New England addressed the convention on matters of import. Prior to closing, Springfield, Mass., was selected as the place for the convention next year.

Other officers elected were as fol-

lows: vice-president, G. C. Thurlow, West Newbury, Mass.; secretary, D. A. Clark, Fiskeville, R. I.; treasurer, V. A. Vantock, Newport, R. I.; C. R. Fiske, Worcester, Mass.; A. P. Horn, Manchester, N. H.; and J. R. Barnes, Yalesville, Conn., were elected executive committee together with the officers.

Harlan P. Kelsey of Salem, Mass., created a sensation in the convention at the morning session when he made a bitter attack upon the principle of "brush pile theory" of burning surplus stock, which was advocated by W. W. MacCartney, treasurer of the Elm City Nursery Company. Mr. MacCartney urged the burning of surplus stock in his address on "Effects of the European War on Nursery Business," for the purpose of maintaining steady prices. In condemning the theory, Mr. Kelsey said "that is the worst economic blunder that has ever been made in this world. In every other line of wholesale and retail business, with the single exception of the collar industry, there are sales of surplus stock at cheap rates. There are too many persons going around in the soup line to burn anything that is produced. Create a market for the stock. You can sell shrubby stock to poor people at low prices—people to whom you would not sell otherwise, and, consequently, you do not curtail your market."

There was a wide diversity of opinion expressed on this subject. Mr. MacCartney maintained that nursery stock was more staple than most other stocks, and the market was thus less elastic than in many other lines. Others expressed the opinion that a love for plants ought to be created and intensified and that when this is done the surplus stock would be taken care of.

Other speakers were Geo. N. Barrie of the Skinner Irrigation Co., A. E. Robinson of Brick-Robinson Co., E. W. Breed, G. C. Thurlow, J. W. Manning, Prof. H. J. Wheeler, Daniel A. Clarke and F. S. Baker. The members were entertained at a theater party on Tuesday evening.

RHODE ISLAND HORTICULTURAL SOCIETY.

Dr. Harlan H. York of Brown University, was elected President of the R. I. Horticultural Society at the annual meeting held Wednesday evening, Jan. 20. The reports of the outgoing officers showed the society to be in a healthy condition, and the treasurer stated that the financial condition was much stronger than in many years.

Other officers were elected as follows: First vice-president, Dr. H. W. Heaton; second vice-president, Prof. John E. Hill; secretary, E. K. Thomas; treasurer, Harold L. Madison; trustee, five years, Prof. A. E. Stene; lecture committee, Prof. J. Franklin Collins and Thomas Hope; botanist, Prof. J. Franklin Collins; entomologist, Prof. A. E. Stene; exhibition committee, Eugene A. Appleton, Joshua Vose, Arthur Sellow, Cornelius Hartstra and Dr. H. W. Heaton.

Following the meeting, Assistant State Entomologist Clifton W. Loveland gave a stereopticon lecture on "The Relation of Birds to Horticulture."

NEBRASKA STATE HORTICULTURAL SOCIETY.

The following notes are in part excerpts from a most delightful personal letter written by Nebraska's "grand old man," Rev. C. S. Harrison. We publish them without asking his consent and only wish we had room for the entire letter.

The annual meeting was held January 19 to 21. There was a good attendance and many interesting topics were discussed. The display of fruit was very fine. The chief topic of discussion was the adaptability of Nebraska for raising the very best class of apples the world can produce. It has been found out that there is a belt of land lying on both sides of the Missouri River which produces the very best quality. Particular attention was given to flowers, especially the iris, which so heroically endures the heat and drouth which sometimes prevails, and which proves to be so well adapted to the semi-arid regions, succeeding well on the dry plains in Arizona.

A Delightful Ovation.

Wednesday evening of the 20th the great banquet was held. The attendance embraced the members of some 20 divisions of organized agriculture, about 400 being present. And much to his surprise, your correspondent was the guest of the evening, and a most delightful ovation was given. Prof. Chas. E. Bessey gave his brief history and told what he had accomplished along various lines, especially in proclaiming the gospel of beauty, reading with splendid effect extracts from his writings. He was followed by the

Mr. Harrison was called on for a response. He said: "I have always been a busy man, so much so that if I should die I don't see how it would be possible to spend time to attend my own funeral. But you have very kindly arranged it so I can attend my funeral while I am very much alive. I can enjoy it now so much better than when I am dead. I would not have missed this beautiful eulogy of Dr. Bessey for anything, nor the remarks of Judge Hainer, which they have pronounced here over my remains—the remains of 82 years of hard service."

"Words cannot express the delight this splendid ovation gives me. Instead of being lost over cold clay, it will be an abiding joy while I live." He then dwelt on some of the joys of old age which he did not dream were in store for us. He related some anecdotes of men well along in years who refused to grow old, and these stories convulsed the audience. They seemed to break loose in riotous applause.

He then continued in more sober vein: "We are nearing the verge; we sometimes have a view of both worlds. Soon I must bid good-bye to these hands which have ministered to my wants; these feet which have borne me thus far on life's journey; these eyes which have brought to my soul the beauties of earth, and I am to go to a new country. Are you not afraid? I answer, 'No.'"

"You men of action, you sometimes get a wrong idea of heaven. The poet sings of a place 'where congregations never break up and Sabbaths never end,' and the thought of it gives you the shivers. 'My Father worketh hith-

erto, and I work.' Up there 'His servants serve him day and night.' We are just apprentices down here, fitting ourselves for royal service up there."

Taken altogether, the banquet is a delightful memory.

AMERICAN GLADIOLUS SOCIETY.

The American Gladiolus Society will hold two shows next August—one at Atlantic City, which will be a mammoth trade exhibit, not for competition, the idea being to stimulate greater interest in the gladiolus. Maurice Fuld, Madison Ave., N. Y. City, has charge and would be glad to correspond with any wishing to take part.

The annual meeting and show will be held at Newport, R. I. The preliminary schedule of prizes will be issued shortly. Sect'y Youell who has charge of the show predicts it will be a record breaker, as the premium list is the largest and best the Society has ever had. The dates for holding the shows will be announced shortly.

The Nomenclature Committee of the American Gladiolus Society has approved the application of Herman H. Baer, New Hyde Park, N. Y., to register the variety "Hyde Park," and the application of Dr. C. Hoeg, Decorah, Iowa, to register "Jack Frost," "Pocahontas" and "Zingari."

Hyde Park (Baer). Color rosy white, becoming rose Neyron red at the outer edges of the petals. Throat lemon yellow, slightly shaded deep rose pink, petals feathered same color which is especially noticeable when grown under glass. Stamen filaments white with pink tips. Anthers white with lilac sutures. Bloom medium size; tube curved, slender, long. Segments unequal, connivent, the upper horizontal and broad, the lower reflexed and narrower. Mid-season. Spike tall, erect, branched, often two spikes per corm. A fair number of flowers per spike. Growth vigorous and well furnished with medium broad leaves. Corms medium large. Cormels prolific. Originated with H. Baer, New Hyde Park, Long Island, N. Y.

Jack Frost (Hoeg's No. 175). Color pure white, pencilled Tyrian rose upon an amber white throat. Bloom medium large; tube nearly straight, stout, short. Segments unequal, connivent, the upper horizontal and broad, the lower reflexed and narrower. Mid-season. Spike medium tall and erect. A fair number of flowers per spike. Growth vigorous and well furnished with very broad leaves. Corms medium large. An excellent compact, white, of good substance. Originated with Dr. C. Hoeg, Decorah, Iowa.

Pocahontas (Hoeg). Color amaranth red with a lemon yellow throat, blotched plum violet. Stamen filaments creamy white. Anthers violet. Bloom large, tube curved, moderately slender and of medium length. Segments unequal, connivent, the upper horizontal and very broad, the lower reflexed and narrower. Season early September. Spike medium tall, erect, not branched, frequently two spikes per corm. A fair number of flowers per spike. Growth good, well furnished with medium broad leaves. Corms medium large. Originated with Dr. C. Hoeg, Decorah, Iowa.

Zingari (Hoeg's No. 96). Color rose Neyron red with the edges of the petals lighter, blotch carmine purple with a dash of lemon yellow at the tip of the blotch. Stamen filaments white. Anthers lilac. Bloom medium size, tube curved, slender, long. Segments unequal, connivent, the upper horizontal and broad, the lower reflexed and narrower. Mid to late season. Spike medium short, erect, not branched, often two spikes per corm. A fair number of flowers per spike. Growth vigorous and well furnished with broad leaves. Corms medium size. Originated with Dr. C. Hoeg, Decorah, Iowa.

A. C. BEAL, Chairman.

OYSTER BAY HORTICULTURAL SOCIETY.

The monthly meeting of the Oyster Bay (N. Y.) Horticultural Society, was held in Fire Hall, on Wednesday, Jan. 27th. A large attendance welcomed our new president, Mr. Robinson. Chas. Mills showed a fine plant of cineraria and F. Kyle some very well grown sweet peas, each capturing the society's monthly prize. Considerable discussion was given Mr. Duthie's suggestion that a member in good standing moving into a new territory be accepted in the nearest local society without the usual formalities. Geo. C. Woolson gave a very interesting talk on hardy perennials, calling special attention to some of our native plants and trees.

Four new members were elected and reports read show the society to be in flourishing condition.

ANDREW R. KENNEDY, Sec'y.

NEW JERSEY FLORICULTURAL SOCIETY.

A regular monthly meeting of this society was held on Feb. 1, 1915. The exhibits were of fine quality and added to the pleasure of the evening. Awards were as follows:

Sweet Peas, Mrs. A. J. Moulton, gard. Arthur Jackson, 63 points; Primula malacoides, Mrs. A. J. Moulton, 65 points; Euphyllium truncatum, Mrs. Wm. Barr, gard. Emil Panuska, 75 points; Carnations, Peter Hauck, Jr., gard. Max Schneider, 80 points; Begonia Cincinnati, Peter Hauck, Jr., 70 points; Roman hyacinths, Peter Hauck, Jr., 55 points; Violets, Peter Hauck, Jr., 65 points; Cattleya Trianae Virginalis, Joseph A. Manda, 90 points.

Not for Competition: Cattleya Trianae, Joseph A. Manda, cultural certificate; Primula malacoides, Freesia, Mushrooms, Mrs. A. J. Moulton, cultural certificate.

GEO. W. STRANGE, Sec'y.

ST. LOUIS FLORIST CLUB.

A telegram to Secretary Beneke, of the Florist Club announcing the selection of St. Louis for the American Carnation Society's next meeting was hailed with joy by the members of the club and the local trade at large, also the election of Brother Ammann as vice-president was well received.

The Florist Club will hold an important meeting next week Thursday afternoon in Odd Fellows Hall. President Bourdet says he hopes that the members will turn out in full force as quite a lot of important matters will come up for final discussion.

The bad weather on the night of Jan. 27 kept many away from the Florist Club dance and it was not a success in a financial way, but socially it was fine.

CLUB AND SOCIETY NOTES.

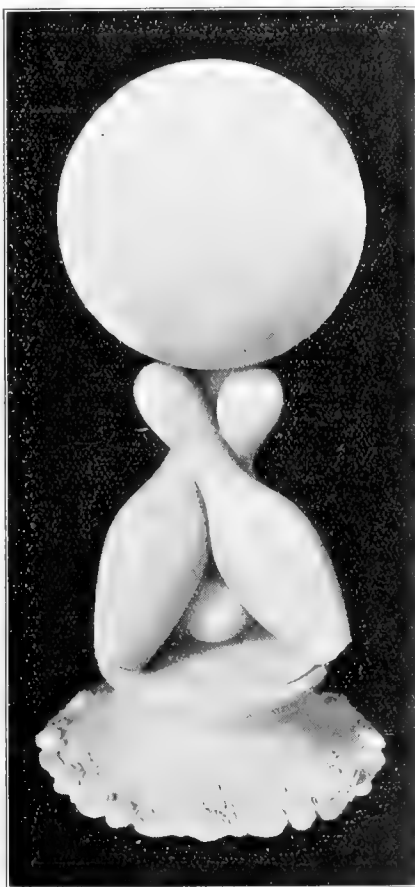
The Cincinnati Florist Society's February meeting will be held at Hotel Gibson on Monday, February 8th.

The preliminary schedule of the Seventh Annual Exhibition of the American Sweet Pea Society is out and copies may be had on application to the secretary, Harry A. Bunyard, 342 W. 14th street, New York. The show will be held under the auspices of the Newport Horticultural Society and the Newport Garden Association, and both these organizations, as well as the Newport Garden Club, are represented in the list of prizes. The dates are July 8 and 9, 1915.

During Recess

Buffalo-Rochester Bowling Contest.

One of the very interesting side features of the American Carnation Society meeting at Buffalo, January 27th, was the bowling match between the Buffalo Florists' Club and the Rochester Florists' Association, this being the third game for the Lord & Burnham Trophy. The Buffalo boys had taken two straight games in 1914, and were cock-sure that they had the trophy nailed down in Buffalo. It being the last chance of the Rochester boys to get their hands on the trophy, they went to Buffalo full of enthusiasm and good bowling advice. Some thirty



THE LORD & BURNHAM TROPHY

Now in Possession of the Rochester Florists' Association.

leather-lunged rooters from the Rochester Association accompanied the team.

The first game had not progressed far, before the Buffalo boys realized they had a man-sized team pitted against them, and they settled down to business. There was some mighty pretty bowling done on both sides in this game, and the generalship exhibited by the two captains, Streit and Salter, showed that each was taking the measure of his opponents. Chief Rooter Mike Keller certainly had his men well in hand, and dropped bomb after bomb into the Buffalo trenches, with telling effect, both in their firing line and supporters. The first game ended amid wild enthusiasm and 39 pins to the good for Rochester.

The second game started off fine for

Buffalo, Louis Neubeck leading his team-mates. Into him Mike Keller poured shot after shot, with little effect, however. Joe Streit suffered slightly from a nervous attack brought on by the disconcerting, blood-curdling yells of Keller and his rooters. Charlie Sandiford showed tendencies of weakening under the strain of the excitement, but Spiegel ran true to form, and Scott rallied at times from the onslaught of the Rochester rooters. Ally Salter was sailing close-hauled, with his eye on the turning stake. Roland was working under a tremendous handicap, suffering a severe attack of neuralgic headache. The Glenn Brothers were experiencing some bad splits and crossed fingers seemed to have no effect on the little jinks that was following them. Thomann was putting more speed into his ball than ever, but the combined efforts of the Rochester team and rooters could not overcome the lead that Buffalo had gotten in the forepart of the game, and it went to Buffalo to the tune of 30 pins.

The third game opened with strike after strike on both sides. Will Glenn knew what he could do, and he was going to do it. Harry Glenn had gotten his orders from Charlie Vick the night before, that if Rochester did not bring the trophy back, he need not show up for work in the morning. Boland had taken another headache-powder. Al Salter tightened up his belt another notch, and Thomann threw in his high speed for the supreme effort. Mike Keller eased up on the Buffalo boys somewhat, and showed his genuine feeling and compassion for Joe Streit and Louis Neubeck in frequent short consultations on the side lines. Sandiford, Spiegel and Scott had read the hand writing on the wall in the two previous games, but were there with the fighting spirit and stuck by their guns with good effect. But there was nothing seemingly from the beginning of the game that could stem the tide, and Buffalo was taken into Rochester camp at the end of this game, by 150 pins. The true sportsmen's spirit of the Buffalo bunch was shown that evening, and the royal hospitality to the Rochester team and their contingent was put through in a manner befitting the occasion.

The trophy is now in Rochester, and will be contested for in the near future again, as the terms of the contest call for the best three out of five meets.

Following is a list of the bowlers and their totals:

BUFFALO FLORISTS.				
Sandiford	132	158	116	426
Spiegel	166	159	178	503
Scott	181	154	170	505
Neubeck	160	215	119	524
Streit	177	162	184	523
Totals	866	848	827	2541

ROCHESTER FLORISTS.				
W. Glen	222	193	268	683
H. Glen	177	168	188	533
Boland	148	161	174	483
Thomann	118	161	171	450
Salter	177	156	160	493
Totals	865	848	977	2787

Gardeners' and Florists' Club of Boston.

A very enjoyable evening was spent at the meeting of this club, Thursday, Jan. 28. "Ladies' Night" and the installation of officers were the features. Over four hundred ladies and gentle-

men were present, the younger element predominating. Wm. J. Kennedy presided over the inauguration, inducting into office the following named gentlemen: Herman H. Bartsch of Waverly, president; James Methven, Readville, vice-president; Wm. N. Craig, Brookline, secretary; Peter Fisher, Ellis, treasurer.

The following committees were appointed: Exhibition committee, Jas. Wheeler, chairman; Robt. Cameron, Wm. Sim, T. H. Westwood, F. E. Palmer, Donald McKenzie, Chas. Sander, S. J. Goddard, Eber Holmes, Jules Huerlin, W. H. Elliott, Alex. Montgomery, Henry Penn, K. Finlayson, A. A. Pembroke, Duncan Finlayson. Entertainment committee, Geo. W. Hamer, chairman; J. W. Collins, John McIntyre, Wm. Mix, H. M. Robinson, Joshua Lawson, W. R. Thornhill, Geo. Noyes, Jas. McCarthy, Harold Edgar, W. H. Judd.

The order of proceedings was cut short to allow as much time as possible for entertainment and dancing. There were songs, piano solos and recitations by several talented performers, followed by ice cream, cake and coffee and then the dancing, which lasted until midnight. When the Highland Fling was called the floor was filled with nimble dancers, the most graceful steppers being Peter M. Miller and his partner Mrs. W. W. Edgar.

North Westchester Horticultural and Agricultural Society.

Thursday evening, January 21st, was a red letter social night for this society when they held their 13th annual dinner at Newcastle Inn, Mt. Kisco, N. Y. with about sixty members and guests and J. Austin Shaw as toast-master, to whose admirable tact, wit and humor was largely due the success of this affair.

Preceding the dinner was a short business meeting at which a vote of condolence was passed for Mrs. McTaggart of Kearney, N. J. on the loss she has sustained in the tragic death of her dear son and our brother member, the generous hearted and much regretted Charles McTaggart. Following are some of the features of the evening. Opening address by Mr. Shaw who felicitated the society on its prosperous position, its hospitality and the work being done for the uplift of the gardening profession. The toast: "Our Society" was responded to by President John Hall, and past president James Andrews. A toast to the memory of Chas. McTaggart was drunk in silence. "The Seed Trade" was responded to by Wm. C. Rickards and Al. Rickards of New York and Wm. J. Collins of Boston. Mr. Shaw responded for the Horticultural Press, in Mr. Ebel's absence. For the "Town of Bedford" Judge Robt. Clark, Town Clerk Merriam and Commissioner O'Brien responded. The "Town of Newcastle" was spoken for by Supervisor Washburn, Town Clerk Geo. Haight, Jr. and Tax Collector Heller. The toast "Our Out of Town Guests" was responded to by Mr. Van Melee of Bobink & Atkins, expressing appreciation of the hospitality shown them. "The Lay Members of Society" by Dr. Plageman. "The Ladies and Our

Host" responded to by the joint host of the Kisco House, D. M. Farlee, who by the way being a most desirable bachelor had the subject in hand to which he gave a full measure of good will towards the ladies, amidst cheers. "The Plain Gardener" was responded to by Secretary M. J. O'Brien and with reminiscences of the growth and success of the society since its organization, January 7th, 1897, making a favorable commentary of the part taken in its organization by Alex. Marshall of Portchester who was present and responded with a few well chosen words.

The foregoing program was interspersed with songs and recitations as the night proceeded and a fine musical program was rendered by Prof. Eggleston on the piano. The festivities broke up about 1 A. M. A standing vote of thanks was passed with three cheers and a tiger for the admirable manner in which the toast-master conducted the festivities.

M. J. O'BRIEN, Sec'y.

North Shore Horticultural Society.

The North Shore Horticultural Society held its sixteenth annual banquet at the Town Hall, Manchester, Mass., on Jan. 27th. The hall was decorated for the occasion with evergreen, flowering plants and cut flowers. Vice-President E. H. Wetterlow, in the absence of the president, extended a cordial welcome and the greetings of the society to those present.

Thomas J. Grey responded to a toast to the Gardeners' and Florists' Club of Boston, and was pleased to say that he brought with him not only the good wishes of the Boston Gardeners' and Florists' Club but also of the Massachusetts Horticultural Society.

An entertainment followed the banquet. Edward A. Rand in piano selections, Miss Area Farron in recitations, Prof. Brignati in sleight of hand, all contributed to the enjoyment, and Rev. W. H. Rider, D. D., gave one of his characteristic after dinner speeches and closed by leading the audience in singing "America." Dancing followed till 12 o'clock.

The committee in charge were William Till, chairman; Herbert Shaw, Axel Magnuson, Paul Maillard, Murdo MacKay, James Morton and Patrick J. Gilmore, floor director. James McGregor of Dublin, N. H., T. J. Grey, Alex. Dewar, J. P. A. Guerinneau and Mr. Hailles of Boston were among the visitors.

W. T.

Nassau County Horticultural Society.

The ninth annual dinner of this society was held at the Oriental Hotel, Glen Cove, N. Y., Monday evening, Jan. 25th. Seventy-five members and guests were present and did justice to an ample repast. President Ernest Westlake, delivered a short address of welcome and introduced as toastmaster for the evening, J. Austin Shaw, who conducted the proceedings in his usual able manner.

Gentlemen responding to the toasts of the evening were Charles H. Totty for the Society of American Florists; J. W. Everitt, the National Association of Gardeners; Frank Traendly, the National Rose Society; F. R. Bowne and W. R. Kinnear, the village of Glen Cove; William Duckham, Morris Coun-

ty Horticultural Society; William Turner, Bernardsville Horticultural Society; E. W. Neubrand, W. Scott and J. W. Smith, Tarrytown Horticultural Society. J. Duthie and J. Robinson, Oyster Bay Horticultural Society.

JAMES GLADSTONE, Cor. Sec'y.

Lenox Horticultural Society.

The twenty-first annual ball of the Lenox Horticultural Society was held in the Town Hall, Lenox, Mass., on Jan. 22nd. The hall was prettily decorated, and Clarke's orchestra of Pittsfield was engaged for the evening. The concert which they rendered at the opening was of a high order. President G. Breed led the grand march, closely followed by the other officers. A good and representative crowd was present, and supper was served at 12 o'clock. The success of the evening reflected much credit on the committee of arrangements, Messrs. J. Clifford, G. Ferguson, F. H. Butler, G. Thompson and H. Peters.

The next monthly meeting will be held on Wednesday evening, Feb. 10th, and the speaker will be Professor J. O. Poord, head of division of agriculture, Mass. Agricultural College, on "Some Principles of Farm Management."

J. CARMAN, Ass't Sec'y.

Westchester and Fairfield Horticultural Society.

The annual entertainment and dance of this Society will be held on Tuesday evening, Feb. 16th, in Mechanic's Hall, Stamford, Conn. Admission will be by card which may be obtained from the secretary. Members and their friends are cordially invited. A pleasing program will be rendered, followed by a buffet lunch and dancing. A pleasant evening is assured to all who attend.

P. W. POPP, Cor. Sec'y.

Chicago Bowling—Wednesday, Jan. 27th, 1915.

ORCHIDS VS. RUSSELLS.			
Kochler	123 124 163	Vogel	157 188 170
Lorman	177 183 143	Jacobs	147 167 150
Wolf	166 155 138	Resch	185 185 147
	466 462 444		489 540 467
CARNATIONS VS. SUNBURSTS.			
Einweck	172 204 169	Lieb/rm'n	180 148 161
Price	180 234 210	Byers	181 203 153
A. Zeeh	177 139 191	Olsem	169 179 173
	529 577 570		530 530 487

New York Florists' Bowling Club. Jan. 28.

	1st Game	2nd Game	3rd Game
J. Miesem	169	214	167
A. Donaldson	170	163	156
A. M. Henshaw	162	147	162
A. Schaefer	132	132	127
P. Jacobson	156	184	149
H. C. Riedel	158	162	180
J. Birnie	146	152	143

The Horticultural Society of Chicago held an adjourned meeting at the Art Institute, January 26, and adjourned again, without transacting any business. Plans are under way for putting new life into the organization, which has done good work in the past, but has not been given the support it should of late. The various North Shore horticultural organizations will be asked to co-operate with

Dreer's Select Fancy-Leaved Caladiums Tuberous Rooted Begonias and Gloxinias

We feel fortunate that in spite of the disarranged condition of affairs in Belgium, we can offer the strain of Tuberous Rooted Begonias and Gloxinias that we have been supplying from the same expert grower for more than a quarter of a century, and without any advance in price.

YOU MAY BUY CHEAPER, BUT NOT BETTER STOCK

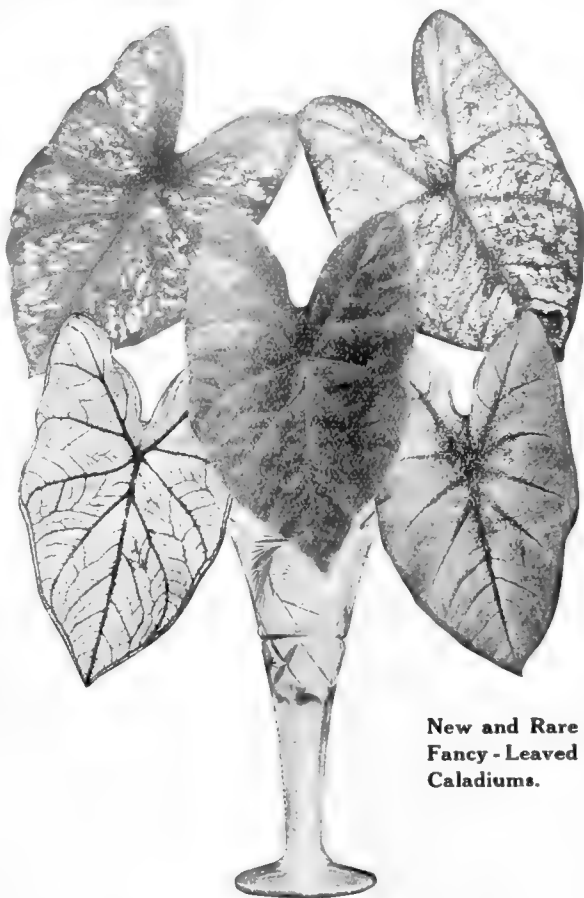
TUBEROUS ROOTED BEGONIAS.			
Single Varieties to Color. Scarlet, Crimson, White, Rose, Yellow, Orange.....	Doz.	100	1000
Single Varieties in Choicest Mixture.....	\$0.40	\$2.50	\$22.50
Double Varieties to Color. Scarlet, Rose, White, Yellow .....	.35	2.25	20.00
Double Varieties in Choicest Mixture.....	.60	4.50	40.00
Double Fringed Varieties, New. White, Scarlet and Rose .....	.50	4.00	35.00
Single Frilled Varieties. Scarlet, White Pink and Yellow	1.50	10.00	90.00
Begonia Zeppelin .....	.85	6.00	50.00
Begonia Lafayette	1.25	8.00	70.00
GLOXINIAS. Blue, Red, White, Blue with White Edge, Red with White Edge, or Finest Mixed	1.50	10.00	
Gloxinia, New Emperor Varieties. Hybrid Imperialis, Choicest Mixed.....	.60	3.50	30.00
Gloxinia, New Emperor Varieties. Hybrid Imperialis, Choicest Mixed.....	.85	6.00	50.00
FANCY-LEAVED CALADIUMS. An immense stock of the choicest varieties:			
Fine Standard Varieties.....	1.75	12.00	100.00
Rare and New Varieties.....	2.25	15.00	140.00
Rare and New Varieties.....	3.50	25.00	
Choice Mixed Varieties.....	1.50	10.00	90.00

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New and Rare
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Direct Importations FALL and SPRING SHIPMENTS

VALLEY PIPS, best Berlin and Hamburg grades.
AZALEAS, PALMS, BAYS, ETC., from Belgium.
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Native Plants and Trees RHODODENDRON MAXIMUM A SPECIALTY

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CALLICOON, Sullivan County, NEW YORK

Have You Read

"STARTING INTO BUSINESS AS A GROWER"

by FRITZ BAHR

?

Some readers have said it is worth \$100 to them.

You can get it for 50c in the

GARDENERS AND FLORISTS' ANNUAL

1915 EDITION

along with 280 pages of other valuable matter.

See our large advertisement in HORTICULTURE, page 109, issue of Jan. 23. It will give you an idea of the contents.

Orders prove it the most popular book in years.

PRICE 50c POSTPAID

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THE FLORISTS' EXCHANGE
3 DUANE ST., NEW YORK CITY

CALCEOLARIA HYBRIDS MIXED

Extra Fancy, 5 inch pots

\$25.00 per 100

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A. M. DAVENPORT
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ARAUCARIA EXCELSA

We have them by the thousand. New crop just arrived from Belgium, all started up, and right for sale now. Good value for your money. 5½ in. and 6 in. pots, 3, 4, 5 tiers, 40c., 50c., 60c., 75c., \$1.00, \$1.25, \$1.50.

GLAUCA AND ROBUSTA COMPACTA, 6 in., 7 in. pots, \$1.00, \$1.25, \$1.50, \$2.00.

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Importer and Wholesale Dealer in Araucarias.

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HOLLAND NURSERIES

BEST HARDY RHODODENDRONS,
AZALEAS, CONIFERS, CLEMATIS,
H. P. ROSES, SHRUBS, AND MEM-
BERACEOUS PLANTS.

P. OUWERKERK, 216 Jane St., Woonahaw Heights
P. O. No. 1, Hoboken N. J.

DISEASED SWEET PEAS.

A correspondent in Morristown, N. J., sent to this office two diseased sweet pea shoots and asking for information and advice concerning same. The shoots were submitted to Prof. Osmun of the Massachusetts Agricultural College, who diagnosed the trouble as probably the "mosaic" disease, but asked for further details as to the history of the trouble and the surrounding conditions. As the case seems to involve much of direct interest for the numerous growers of sweet peas we give space to the resultant correspondence in full. Following is the statement of the grower:

Sirs,
Referring to your request for a fuller description of sweet pea shoots, I beg to say that I sent perfectly healthy shoots along with diseased for contrast. They were sown outside in boxes on Sept. 9th in a depth of 5 inches 2 of soil. No disease was noticeable when we looked them about the middle of November. They are in clumps of nine plants one foot between each clump. The disease seems to be confined to certain parts, three perfectly healthy plants or clumps growing beside those diseased in the same box. The foliage does not develop or expand, although the plants continue to grow, but have a curled up appearance as if affected by caterpillars, but no sign of vermin is to be seen. The leaves have yellow streaks running down them and look as if overwatered, but I don't think they are. I have applied lime to no purpose. The seed was bought at a reliable store. Night temperature is 50 degrees, with 15 to 20 degrees higher in daytime.

Sincerely yours,

J. B.

The foregoing letter was forwarded by advice of Prof. Osmun to Prof. J. J. Taubenhaus, associate pathologist of Delaware College Agricultural Experiment Station for further confirmation of his conclusions. Prof. Taubenhaus' reply follows:

HORTICULTURE Publishing Co:

I received your letter as well as the communication from Mr. B. and the correspondence of Prof. Osmun of the Massachusetts Agricultural College. I have also received today, the specimen of diseased sweet pea plants which came to us in good shape. Prof. Osmun was correct in diagnosing the trouble as mosaic. Although very little is known of the cause of this disease, much is known in the way of prevention. This disease is carried with the green aphids. It is also very contagious; that is, it may be produced to a healthy plant by the mere contact with a diseased one through aphid punctures. The very fact that your grower has planted the seeds out of doors explains its appearance in the greenhouse, as no doubt seedlings were infected out of doors which brought the disease indoors. The trouble does not make its appearance on very young seedlings but seems to break out all of a sudden when the plants obtain the height of about 6 inches. As these plants grow, the disease keeps pace, and becomes worse and worse.

Sweet pea plants which grow under greenhouse conditions and which are, therefore, more tender than those grown outdoors, show the disease in a more severe form than is shown on the same plants when planted outdoors. We do not know as yet whether the disease is communicated with the seed. It is probable that it is carried with the soil.

In the way of a remedy, spraying

will be of no avail. However, since the disease is carried by green aphids, every effort should be made to keep down this pest as this really means complete suppression of the mosaic. There are some other biting insects, such as the cucumber leaf beetle and other insect feeders which prey on the sweet pea and these are also carriers of mosaic. It is, therefore, always advisable to keep these pests down by spraying with Paris green or any other standard insecticide.

In starting the seedlings outdoors, it seems almost impossible to prevent infection. If your correspondent has a cold house wherein he could start his plants, I think he would be making quite some steps towards the controlling of that trouble.

I am here enclosing several franked tags which you can use in sending to any of your subscribers, so that they may send us diseased specimens free of charge. This Department will be very glad to offer its services to any of your readers and cheerfully answer any question or give advice wherever possible.

Yours very truly,

J. J. TAUBENHAUS,
Associate Pathologist.

Newark, Del.

PACIFIC COAST NOTES.

Roy Endsley, who recently built a large hothouse at Colfax, Wash., has opened a retail store there with a nice line of cut flowers and potted goods.

The Kirkman Nursery of Fresno has just opened a branch at Madera with a large line of ornamental stock as well as fruit trees. B. H. Wood will have charge of the stock.

H. Plath of San Francisco is still delivering a great many palms to the Exposition grounds, and is now getting in additional orders for some of the buildings of foreign nations, which will require considerable material of this kind.

With the assessment of the first tree-planting district created in Oakland, Cal., under a new state law, the work of placing trees on both sides of various streets will start within a few days. The first work will be done along Grand avenue, from Perry street to the Piedmont boundary. Sycamores will be planted, and will be spaced 40 feet apart.

Arrangements have been made to have the S. A. F. Convention Garden in Golden Gate Park, a large plot of ground having been allotted for the purpose near the band stand, where the exhibits should attract a great deal of attention. The garden will be in the hands of competent men, with ample facilities, so that all exhibits will be assured proper care and attention. The Convention will be held in the new Auditorium in the Civic Center, plans of which are being forwarded to the S. A. F. officers in the East. The various local committees are getting actively to work on plans for the Convention, and the program committee, of which A. J. Rossi is chairman, is preparing a handsome souvenir program.

Holyoke, Mass.—The banquet of the Florists' and Gardeners' Club, planned for January 27 at the Marble Hall Hotel, was indefinitely postponed.

PHILADELPHIA NOTES.

E. J. Fancourt of the S. S. Pennock-Meehan Co. has just returned from the carnation convention and reports the meeting a good success. The quality of the exhibits was the best he had ever seen at a similar occasion. A distinguishing feature was the splendid showing made by the New England growers. For form, size, substance and keeping qualities, their exhibits carried all before them. Pembroke, Goddard, Strout, and others deserve great credit. He thinks St. Louis a good selection for the next convention and predicts a fine meeting.

January trade among the leading houses like Dreer, Michell, Burpee and others—who had their catalogues out early and who do a nation-wide business—is reported to have been better than expected, and considerably ahead of the same month last year. This is good news, considering the heavy falling off in November and December. People seem to be getting over their scare, and getting back to normal again. Besides this, the farmers have money to spend! They have been getting better prices for several years back, and are now coming into their own!

VISITORS' REGISTER.

San Francisco.—Mark H. Ebel, Sacramento, Cal.

Boston.—Louis Hanfling, of Russin & Hanfling, New York.

Pittsburgh, Pa.—Jack Swart, representing Van Meerbeek, Ltd., Hillegom, Holland.

Washington, D. C.—Robert Shock, representing M. Rice & Company, Philadelphia, Pa.

Pittsburgh, Pa.—Roger Paterson, Cincinnati; Mr. Smith, of the Boas Co., (whoever they are) Phila.

New York: R. F. Tesson, formerly of St. Louis, but now a Texas farmer; Jos. H. Hill, Richmond, Ind.; Michael Barker, Chicago.

St. Louis—M. Adler and Julius Dillhoff, New York; Martin Reukauf, representing H. Bayersdorfer & Co., Philadelphia; J. J. Karins, representing H. A. Dreer, Philadelphia.

Philadelphia—C. B. Coe, D. M. Ferry & Co., Detroit, Mich.; Wm. Penn, Boston, Mass.; Watson Woodruff, Orange, Conn.; W. J. Gullett, Lincoln, Ill.; B. E. Brothers, Detroit, Mich.

Cincinnati: M. L. Holland, representing Vaughan's Seed Store, Chicago; G. Van Bochove, Kalamazoo, Mich.; H. A. Moller, representing The American Foil Co.; L. E. Ruch, Richmond, Ind.

Chicago.—Jos. Edmandson, of California Seed Growers' Company, San Francisco; Wm. Fosgate, Santa Clara, Cal.; Mr. Chisholm, representing Braslan Seed Growers, San Jose, Cal.; Mr. Kimberlin, of Kimberlin Seed Co., Santa Clara, Cal.; Paul Palos, Little Rock, Ark.; J. O. Kemble, Marshalltown, Ia.; Wm. Moore, with the Moxley Nurseries, Delaven, Wis.; E. E. Stewart, Brooklyn, Mich.; Mrs. Ennis of the Wisconsin Floral Co., Milwaukee, Wis.; W. F. Duntemann, Bensonville, Ill.

This Time, Buy Your Roses of Conard & Jones. Get the C & J Kinds With Good Roots and Husky Constitutions—That's the Kind

VARIETY	2½ inch Pots Per 100	Field 10	100
Wichuraiana Hybrids and Climbers			
Alberic Barbier.....	\$4.00		
American Pillar, 2 yr., 3 to 4 ft.....	4.00	\$1.50	\$12.00
" 5 yr., 5 to 6 ft.....		2.50	20.00
Count Zeppelin, 1 yr., 12 to 18 in.....		1.25	10.00
Dr. W. Van Fleet, 2 yr., strong, 3 to 4 ft.....	5.00	2.50	20.00
Dorothy Perkins, Pink, 2 to 3 ft.....	3.00	1.00	8.00
" " White, 2 yr., 3 to 4 ft.....		1.25	10.00
" " " 3 yr.....	3.00	1.25	10.00
Dorothy Dennison, 1 yr., 12 to 18 in.....		1.50	12.00
Evangeline, 3 yr.....		1.00	8.00
Excelsa, Red Dorothy Perkins.....		1.25	10.00
" " " 2 yr., 3 to 4 ft.....	4.00		
" " " 2 yr., 4 to 5 ft.....		1.50	12.00
Farquhar, 2 yr., 18 to 24 in.....	4.00	1.00	7.00
" 2 yr., 3 to 4 ft.....		1.50	12.00
" 3 yr.....		2.00	15.00
Flower of Fairfield.....	4.00		
Gardenia, 1 yr., 12 to 18 in.....	4.00	1.00	8.00
" 2 yr., 3 to 4 ft.....		1.50	12.00
" 2 yr., 4 to 5 ft.....		2.00	15.00
Hiawatha, 2 yr.....	4.00	1.25	10.00
" 3 yr.....		1.50	12.00
Juniata, 1 yr., 12 to 18 in.....	5.00	1.00	8.00
Lady Gay, 1 yr.....	4.00	1.00	7.00
" 3 yr., 3 to 4 ft.....		1.50	12.00
May Queen, 1 yr.....		1.00	7.00
" 3 yr.....		1.50	12.00
Minnehaha, 1 yr., 18 to 24 in.....	4.00	1.00	7.00
" 2 yr.....		1.25	10.00
Miss Messman, 1 yr.....	4.00	1.00	7.00
" 2 yr., 3 to 4 ft.....		1.50	12.00
Northern Light, 3 yr.....		1.25	10.00
Philadelphia, 1 yr., 12 to 18 in.....		1.25	10.00
Prof. C. S. Sargent, 1 yr.....	4.00	1.25	10.00
" 2 yr., 3 to 4 ft.....		2.00	15.00
Rambler, Crimson, 1 yr., 10 to 12 in.....	4.00	.75	6.00
Ruby Queen.....	5.00		
Showers of Gold, 2 yr., 3 to 4 ft.....	5.00	2.00	15.00
Sir Thomas Lipton.....	7.00		
Universal Favorite, 1 yr., 18 to 24 in.....	5.00	1.00	8.00
" 2 yr., 3 to 4 ft.....		1.50	12.00
Violet Blue, 1 yr., 18 to 24 in.....	4.00	.75	6.00
" 2 yr.....		1.00	10.00
Wartburg, 1 yr., 12 to 18 in.....		.75	6.00
Wichmoss.....	6.00		
Wichuraiana, 1 yr., 12 to 18 in.....	4.00	1.00	7.00
" Variegated, 2 yr.....	7.00	2.00	15.00

SOME ROSE SPECIALS

Numbers 1, 2 and 3 in 2½-inch pots.
Number 2 also in 3-inch pots at \$6.

	Per 100
1. Microphylla, Red.....	\$5
2. Mlle. Cecile Brunner, T. P.....	4
3. Mme. Edouard Herriott.....	25

NEW FRENCH HYDRANGEAS

All that has been said of the beauty and exceptional value of the new French varieties, is absolutely so. They stand right up to their reputation, and are easy to manage, and no trouble to bring into flower.

We have a supply from 200 to 600 of a kind.

The following are those proven to be most satisfactory.

1 crown from 3-inch pots, at.....	\$ 6 per 100
1 to 2 crowns from 4-inch pots, at.....	10 " "
3 to 5 crowns from 6-inch pots, at.....	25 " "

Avalanche, a large white, has a firmly established reputation; is an easy forcer.

Bouquet Rose, large clusters of rosy amber, changing to bright pink, a great favorite in the flower boxes.

La Lorraine, large flowers of pale-rose, growing into bright pink.

Mousseline. Great! Described by the introducer as mauve-rose with cream-colored center, often comes darker. Flower heads bold, large and erect. Best in a deep blue.

Mme. E. Mouillere, won the Silver Medal at the National Flower Show at Boston last year, a great favorite in both London and New York. Large size, free-flowering white.

Souvenir de Mme. E. Chautard, fine sized heads of brilliant rose-colored flowers, one of the best of the bouquet type and excellent in every way.

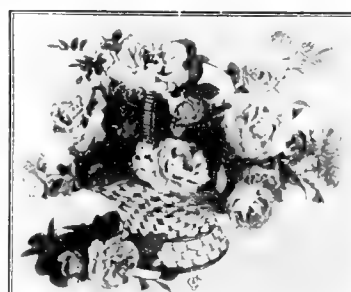
Utaka, needs no description. From 3-inch pots, at \$5.00 per hundred, 4-inch pots, \$10.00 per hundred, and 6-inch pots at \$20.00 per hundred; nice stock.



There is scarcely a home in America where plants like these when brought into bloom would not be most welcome, and command the most respectable price.



Lady Gay—As fine as Dorothy Perkins, an excellent general purpose climber.



Let us send you a batch of a hundred field-grown climbing roses of four different sorts, say Dorothy Perkins, the Red Dorothy Perkins "Excelsa," White Dorothy Perkins, and the Gardenia, twenty-five of each, the entire lot for \$10. F. O. B. the station here at West Grove, Pa. The expressage on an order of this kind would be light, and safe arrival guaranteed.

THE CONARD & JONES CO.
STAR BRAND ROSES
WEST GROVE, PA.

SEASONABLE PLANTS

	Per 100	Per 1000
2½-in. Asparagus plumosus.....	\$3.00	\$25.00
2½-in. Asparagus sprengeri.....	2.50	22.50
2½-in. Fuchsias, 15 varieties.....	3.00	25.00
2½-in. Marguerites, white & yel.....	2.75	25.00
2½-in. Petunias, double, 12 kinds.....	3.00	25.00
4 -in. Primula obconica.....	7.00	65.00
2½-in. Geraniums, 28 varieties.....	2.50	22.50
4 -in. Vinca variegata.....	7.00	65.00
5 & 6-in. Dracaena indivisa, 20c and 25c each		

ALONZO J. BRYAN, Wholesale Florist
WASHINGTON, N. J.

New Crop Guaranteed Seed

ASPARAGUS PLUMOSUS

Plump and of Perfect Germination.

1,000 Seeds.....	\$3.00	10,000 Seeds.....	\$22.50
5,000 Seeds.....	12.50	25,000 Seeds.....	50.00

PITTSBURGH CUT FLOWER CO.

121 Sandusky Street, Pittsburgh, Pa.

When writing to advertisers kindly mention **HORTICULTURE**.

Geraniums, my selection of sorts, 2½ inch pots, all good varieties, \$15.00 per 1000.
Rose Geraniums, 2½ inch pots, \$2.00 per 100.
Achyranthes, 2½ inch pots, \$2.50 per 100.
Asparagus Sprengeri, 2½ inch pots, \$2.50 per 100.
3 inch pots, \$3.00 per 100.
Fuchsias, 2½ inch pots, \$1.50 per 100.
Feverfew, Little Gem, 2½ inch pots, \$2.00 per 100.
Vincas, 2 inch pots, \$2.00 per 100.
Alternantheras, red and yellow, rooted cuttings, 50c per 100.
Coleus, Golden Bedder, Verschaffeltii and mixed, rooted cuttings, \$5.00 per 1000.

CASH WITH ORDER

J. E. FELTHOUSEN

151 Van Vranken Ave., Schenectady, N. Y.

BRITISH HORTICULTURE. The War Burden.

Horticulture, like fishing, has its share of the burden which the war has imposed on the nation. Most of the lines of seedsmen and nurserymen have concentrated their energies from the production of seeds of the "leads" and other necessities, and the contingent has collected the staff of the Royal Botanic Garden at Kew, the gardening staffs of private establishments have been depleted of workers. All are doing a patriotic share in this great struggle; those left behind have done their utmost to aid the many national funds, and also in helping the distressed Belgians, amongst whom are numbered many who have been associated with the nursery business in that unhappy country. Despite the gloomy time through which we have passed the horticultural trade generally has sought to bravely carry out the motto of "Business as usual."

The Seed Trade Outlook.

There is considerable speculation rife as to the position of the seed trade under the existing abnormal conditions. The editor of the "Fruit Trades Journal" has rendered timely service in obtaining the views of some of the leading British houses. Jas. Carter & Co. take a very optimistic view. They have no fear of any shortage owing to the German supplies being cut off. "In our opinion," they write, "among the many lessons which the war will bring home to our people one will be the fact that our English gardens need not suffer through the lack of German seeds. . . . We can do without them in the case of vegetable seeds, and every department can be supplied in unbroken succession from English supplies; and as regards flower seeds, well German stocks and German asters have served their uses in their time, but they need not be missed—English supplies can take their place. And we venture to repeat that in 1915 English flowers in English gardens will gladden English hearts as ever before." Watkins & Simpson, Ltd., report: "Taking everything into consideration the effect of the war on the supply of vegetable seeds is not great, as far as we ourselves are concerned, largely owing to the fact that we grow as much as possible in England. The supplies of flower seeds, as a rule, will be almost up to the average, and prices almost normal, even in the matter of asters and stocks, which were in the past largely imported and by many thought to be the only source for such. For some years we have been competing with the Germans in these. We grow them largely on our own grounds, as well as in other parts of the world. With regard to quality they are quite equal, if not better than most German strains. The crop of these this year, especially asters, is a good one, and the prices will be quite normal."

Some New Sweet Peas.

There is no waning in the interest being taken in sweet pea culture on this side. Amongst the novelties which will undoubtedly be sent out this season is Robert Sydenham which is a pleasing bright salmon, and will be sent out by R. Holmes, Royal

We Offer for Immediate Delivery

Good, Strong Well-Established Plants in 2½-Inch Pots of the Exceedingly

VALUABLE NEW ROSES

Ophelia, Francis Scott Key and Prince E. C. d'Arenberg

OPHELIA. No lady rose ever introduced possesses so many excellent qualities. It is a splendid grower, a very free bloomer, and has fine stems. It sells on sight. Anticipating the large demand, we have propagated it extensively. Strong plants on own roots, 2½-in. pots, now ready. \$15.00 per 100, \$120.00 per 1000.

FRANCIS SCOTT KEY. This variety, named by Mr. John Cook, is very distinct, being entirely different from any of the modern roses grown today. Flowers are rosy red and immensely large and double, resembling very much a very full, double-headed garden rose. Its keeping qualities are remarkable. Strong plants on own roots, 2½-in. pots, now ready. \$15.00 per 100, \$120.00 per 1000.

PRINCE E. C. D'ARENBERG. This variety might well have been termed Red Killarney, as it possesses so many of the good qualities of the Killarney's. In color, the flowers are similar to Redwood, but they are much more double. Flowers have fine straight stems of all the grades from the shortest to the longest. It has fine foliage, comes away quickly, and is even a freer bloomer than the Killarneys. Strong plants on own roots, 2½-in. pots, now ready. \$12.00 per 100, \$90.00 per 1000.

We will be glad to quote on application, prices on all the newer and standard varieties. Strong grafted plants ready in March.

F. R. PIERSON, Tarrytown, N. Y.

Purple (Dobbie & Co.) is a bright purple, somewhat similar to Menie Christie. The same firm have a delicate bloom of the tint its name indicates—Frilled Pink. Other new comers are: Marvel, cream pink; Fiery Cross, bright scarlet; Mrs. Wormald, bicolor. Seedsmen are looking forward to a satisfactory demand for sweet pea seeds, as amateur growers are taking up their culture in increasing numbers.

The Dahlia Trials.

Particulars have lately been published of the trials of the National Dahlia Society at Duffryn, near Cardiff, Wales, during the last two years. The intention was to decide which varieties are most suited to garden decoration, as distinct from the exhibition kinds. In 1914, 240 varieties were tested, 110 being of the paeony flowered section. Awards of merit were allotted to the following cactus varieties: Astree, rich deep pink; Beauty, pale pink; Honesty, white shading to pink; Sophocles terra-cotta; Louvain, pale yellow, with pinkish centre. Amongst the singles, honors were accorded to: Crawley Star, rosy pink; Oran, crimson scarlet; Stora, rosy crimson, yellow disc. The collarettes included: Avon, vermillion scarlet self, with a shaded lemon collar; Doon, bright scarlet, with a lemon collar. There are some good things amongst the paeony flowered list, such as: Amber Queen, amber shaded orange; Berlioz, old gold, tinged with salmon; Great Britain, mauve; Weber, rose pink; Mozart, deep crimson and Juliet, buff salmon.

W. H. ADSELL.

RYE GRASS AND THE WAR.

We learn from our British exchanges that the exportation of grass seeds from Ulster has been prohibited.

According to official statistics a total of 5,245 tons of grass seed was exported from Belfast during the three

months ending December 31 last, 183 tons being sent to foreign countries, chiefly Holland. It is clear, however, that the war has affected the trade, as during the last quarter of 1913 no fewer than 6,258 tons were exported from Belfast, 1,321 tons going to foreign ports.

Exports from Belfast are mostly Lolium perenne. A drop from over thirteen hundred tons to less than two hundred tons for continental consumption is some drop and must have hit some of our good friends over there pretty hard. Still we fancy most of the stock was moved before the embargo went on and we look for no great rise in price on the item here on this side as most of the big houses already have their supplies on hand.

Breed and Good Breeding.

"When your mother goes, there's not much left in this world for you—is there? You'll never see her again!" In these quaint and simple words Wm. Robertson imparted the news of his mother's passing away Dec. 30th at the old home in Scotland, where she had brought up twenty children. All her own brood; and all good. The twenty are scattered all over the world now. Asia Africa, America, Australia; but so far as we have heard to date, all of them are making good. Personally, we know of at least half a dozen of the Robertsons who are making good right now in America and Australia. Compared to that good lady what do all the Billy Sundays amount to? She gave the world good men. All Billy Sunday seems to do, is to make the crazy ones crazier. When we go to church we go to church to pray and to worship. When we go to a circus we go to a circus to laugh and cut up. All the boys we have talked to go to Billy Sunday for diversion—and circus—not for any good. Which is offensive to our sense of the sacredness of religion—even if we are not much of a church goer.

GEORGE C. WATSON.

Boddington's Quality Flower Seeds

SAFETY FRIST!

Selected Seeds, Successfully Sown, Secure Sure, Safe and Serviceable Satisfaction

REMEMBER—You may deduct 5 per cent if cash accompanies order

AGERATUM

	Trade pkt.	Oz.
Mexicanum album.....	\$0.10	\$0.40
Blue Perfection.....	.15	.50
Little Dorrit.....	.15	.50
Swanley Blue.....	.10	.25
Little Blue Star. Trade pkt. 50c., 3 pkts. for \$1.25.		

BODDINGTON'S MAUVE BEAUTY
Trade pkt. 10c., oz. 75c.

ALYSSUM

BODDINGTON'S WHITE GEM

	Trade pkt.	Oz.	1/4 lb.
Little Gem. Dwarf, best for pots.....	\$0.10	\$0.30	\$1.00
Carpet of Snow. For hanging baskets and borders.....	.10	.50	1.75
Sweet. The old variety.....	.10	.15	.50

ANTIRRHINUM

BODDINGTON'S GIANT

	Trade pkt.	Oz.
Coral-Red. Striking color.....	\$0.20	\$0.75
Carmine. Splendid color.....	.20	.75
Daybreak. Light pink.....	.20	.75
Brilliant. Scarlet, golden yellow and white.....	.20	.75
Crescia. Dark scarlet.....	.20	.75
Queen Victoria. Pure white.....	.25	1.00
Luteum. Yellow.....	.20	.75
Firefly. Scarlet.....	.20	.75
Romeo. Deep rose.....	.20	.75
Lilacinum. Beautiful lilac.....	.20	.75
Mixed.....	.20	.50

ASTERS

	Trade pkt.	1/4 oz.	Oz.
Early Wonder White.....	\$0.25	\$0.75	\$2.00
Early Wonder Pink.....	.25	.75	2.00
Early Wonder Lavender.....	.25	1.00	3.50

QUEEN OF THE MARKET

Boddington's Extra Early

	Trade pkt.	Oz.
Pink.....	\$0.20	\$1.00
Light Blue.....	.20	1.00
Dark Blue.....	.20	1.00
White.....	.20	1.00
Crimson.....	.20	1.00
Rose.....	.20	1.00
Flesh Color.....	.20	1.00
Light Rose.....	.20	1.00
Scarlet.....	.20	1.00
Red-Lilac.....	.20	1.00
Finest Mixed.....	.20	1.00

VICK'S BRANCHING

	Trade pkt.	Oz.
Crimson.....	\$0.25	\$1.00
White.....	.25	1.00
Purple.....	.25	1.00
Violet.....	.25	1.00
Rose.....	.25	1.00

CARLSON'S BRANCHING

	Trade pkt.	Oz.
Lavender.....	\$0.25	\$1.00

SEMPLE'S BRANCHING

	Trade pkt.	Oz.
Shell Pink.....	\$0.25	\$1.00
Upright White.....	.25	1.00
Trade pkt. each of the collection of 8 varieties for \$1.75.		

ASPARAGUS

Plumosus nanus. True greenhouse grown. 50 cts. per 100 seeds, \$1.00 for 250 seeds, \$3.50 per 1000 seeds.	
Plumosus nanus. California grown. 50 cts. per 100 seeds, 75 cts. for 250 seeds, \$2.50 per 1000 seeds.	
Sprengeri. 25 cts. for 250 seeds, 75 cts. for 1000 seeds, \$3.00 for 5000 seeds	

BEGONIA

	Trade pkt.
Boddington's Crimson Bedder.....	\$0.25
Erfordii. Carmine.....	.25
Semperflorens.....	.25
Vernon grandiflora.....	.25

CANDYTUFT

	Trade pkt.	Oz.
Boddington's Giant Hyacinth-Flowered. Large, pure white, spiral spikes. The finest variety for growing under glass.....	\$0.25	\$1.00
Empress. 1 ft. Pure white pyramidal.....	1 lb. \$1.00	.10 .35
White Rocket. Large trusses.....	1 lb. 20 cts.	.05 .10

CENTAUREA

	Trade pkt.	Oz.
Candidissima. Very scarce.....	\$0.25	\$1.00
Gymnocarpa.....	.25	2.00

CINERARIA

	Trade pkt.	Oz.
Maritima. 1 1/2 ft.....	\$0.10	\$0.75
Maritima "Diamond." A vast improvement over the above. Foliage very white, leaves much serrated.....	.25	2.00

COBAEA

	Trade pkt.	Oz.
Scandens. H. P. Blue.....	\$0.10	\$0.50
All. White.....	.20	.75

COLEUS

Boddington's Magnificent Rainbow Hybrids. Trade pkt. 25 cts.

GREVILLEA

	Trade pkt.	Oz.
Robusta (Silk Oak).....	\$0.10	\$0.75

LOBELIA

	Trade pkt.	Oz.
Erinus gracilis. Trailing light blue.....	\$0.15	\$0.75
E. speciosa. Deep blue, trailing.....	.15	.75
Crystal Palace compacta.....	.25	2.50
Emperor William compacta.....	.25	1.50

MIGNONETTE

Boddington's Majesty. The finest of all fancy varieties of Mignonette for under glass or pot culture. Seeds saved from select spikes under glass. Trade pkt. 60 cts., 1/2 oz. \$1.00, oz. \$7.50.

Allen's Defiance (Originator's stock). Trade pkt. 50 cts., 1/2 oz. \$1.00.

MYOSOTIS

	Trade pkt.	Oz.
Eliza Fanrobert. Excellent for pots, blue.....	\$0.10	\$1.00
Victoria. Very dwarf.....	.20	2.00

PETUNIAS

Boddington's Quality Double Fringed. Our double Petunias have reached the highest standard of excellence, and may be confidently relied on to produce a large proportion of double flowers of exquisite beauty and great size. 1/2 trade pkt. 60 cts., trade pkt. \$1.00.

Century Prize. Gigantic, single flower, having the edges deeply ruffled or fluted; fine substance, with deep white throats. 1/2 trade pkt. 60c., trade pkt. \$1.00.

Bar Harbor Beauty. Single. Color beautiful rose.....\$0.25

Emperor. Single. Large blossoms, distinct in form, coloring and marking......50

PETUNIAS—Continued

	Trade pkt.
Ruffled Giants. A grand selection of single fringed Petunias.....	.50
Howard's Star. Rich crimson, with a distinct white star in center.....	.25
Rosy Morn. Soft carmine pink.....	.25

PYRETHRUM

	Trade pkt.	Oz.
Aureum (Golden Feather).....	\$0.10	\$0.50
Selaginoides. Foliage fine serrated.....	.15	1.00

SALVIA

	Trade pkt.	Oz.
Clara Bedman (Bonfire).....	\$0.25	\$2.50
Splendens (Scarlet Sage).....	.25	2.00
Splendens pendula. Drooping spikes.....	.25	3.00
Splendens, Zurich.....	1/4 oz. \$1.75	.25 6.00

SHAMROCK

True Irish. Small-leaved. Trade pkt. 25 cts., oz. 1.00.

SMILAX

Trade pkt. 15 cts., oz. 50 cts.

STOCKS

LARGE - FLOWERING GERMAN TEN-WEEK, POT-GROWN SEED

	Trade pkt.
Brilliant Rose.....	\$0.25
Canary Yellow.....	.25
Crimson.....	.25
Dark Blood Red.....	.25
Dark Violet Blue.....	.25
Dark Purple.....	.25
Flesh Color.....	.25
Light Blue.....	.25
Scarlet.....	.25
Snow White.....	.25
Fine Mixed.....	.25

CUT-AND-COME-AGAIN

These splendid Stocks will flower continuously through the Summer if sown early.

	Trade pkt.
Princess Alice. White.....	\$0.25
Apple Blossom. Light pink.....	.25
Peach Blossom. Soft pink.....	.25
Chamoise.....	.25
Bridesmaid. Rose.....	.25
Canary. Yellow.....	.25
Flamingo. Blood red.....	.25
Blue Jay. Light blue.....	.25
Violet. Dark blue.....	.25
Carmine. Crimson.....	.25

GIANT PERFECTION STOCKS

White. Pyramidal long spikes of large, double flowers, splendid for glass culture and for florists' purposes. Trade pkt. 25 cts., 1/4 oz. \$1.25, 1/2 oz. \$2.00, oz. \$3.75.

VERBENAS

	Trade pkt.	Oz.
Mammoth Hybrids. A strain of very vigorous growth, producing trusses of large flowers of brilliant and varied colors. Mixed.....	\$0.25	\$1.75
Mammoth Auricula-flowered. Large flowers with distinct, white eye.....	.25	1.75
Mammoth Blue.....	.25	1.75
Mammoth Pink.....	.25	1.75
Mammoth Scarlet Defiance.....	.25	1.75
White (Candidissima). Pure white.....	.25	1.75
Striped. Many colors.....	.25	1.75
Lemon (Aloysia citrifoliosa).....	.25	1.50

VINCA

	Trade pkt.	Oz.
Alba. White.....	\$0.15	\$1.25
Rosea. Rose.....	.15	1.25
Rosea alba. Rose and white.....	.15	1.25
Mixed.....	.10	.75

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We are headquarters for SWEET PEAS of every description. Our Wholesale Catalogue of Quality Seeds and Bulbs will be ready January 1st, 1915. Contains 52 pages of Seeds and Bulbs you need

Arthur T. Boddington, Seedsman, 342 West 14th Street NEW YORK CITY

SEED TRADE

AMERICAN SEED TRADE ASSOCIATION

Officers—President, Lester L. Morse, San Francisco, Calif.; First Vice-President, J. M. Lupton, Mattituck, L. I.; Second Vice-President, F. C. Dungan, Philadelphia, Pa.; Secretary and Treasurer, C. E. Kendel, Cleveland, O.; Assistant Secretary, S. L. Willard, Jr., Cleveland, O.

A Notable Chicago Seed House

The Leonard Seed Co., organized 31 years ago, with S. F. Leonard as president and Mr. Clarke as secretary, is now one of the largest wholesale seed houses in this country, and the two men to whose untiring efforts most of the success is due are still active in their respective offices. Their warehouses are many, but their down-town one, on Kinzie street, is one of the larg-

est of its kind in this country. Its six floors are all devoted to the wholesale garden seed trade, and the cut shows the "picking" room, with its 100 machines in operation. These are fed from the grain in the reservoirs on the floor above, and after the sorting, fed again into bags on the floor below. Each floor is 75 x 165 feet, and all are filled. The office is on the main floor, where a corps of stenographers take care of the immense correspondence.

From the Wholesaler's Standpoint.

Mr. Clark says the season thus far has been all that could be desired. There is a fair supply of the standard varieties of vegetable seeds, excepting beans. Flower seeds are not so plentiful and the commonest kinds are the scarcest. This works no hardship, however, for there are many kinds available which are not so well known and will prove just as ornamental and satisfactory when tried out. The Leonard Seed Co. infer that a good season for the wholesaler means that a good one will follow for the retailer, and as that price are better, as a whole, than for several years back, and the general feeling is that the planter will call for more seed than ever when the time arrives. Produce in general has been moving at good price, and market gardeners and growers are talking expansion. There are exceptions, of course, but the "hard luckers" are in a minority. There is quite a stir among American growers to get into line to produce the varieties of seeds that have been coming from abroad and can and should be grown here. An optimistic feeling prevails all along the line. The California pilgrims returning by way of Chicago from the East seem cheerful and this great center gets the benefit of these pilgrims of trade both going and coming, which helps us to get the pulse beat of the situation.

Michell's New Crop FLOWER SEEDS

ASPARAGUS.

Plumous, Nanus, Northern Green-house Grown Seed. Per 1,000 seeds, \$1.50; \$17.50 per 5,000 seeds; 10,000 seeds \$30.00.

Hatchery. Per 500 seeds, \$3.25; \$4.00 per 1,000 seeds.

ASTER, Early Wonder.

	Tr.	Pkt.	Oz.
Pink	\$0.10	10	\$2.00
White	10	200	

ASTER, Queen of the Market.

	Tr.	Pkt.	Oz.
White	\$0.20	20	\$0.75
Dark Blue	20	75	
Light Blue	20	75	
Blush Pink	20	75	
Rose Pink	20	75	
Crimson	20	75	
Mixed	20	75	

SALVIA.

	Tr.	Pkt.	Oz.
Bonfire	\$0.40	40	\$2.00
Ball of Fire	50	250	
Scarlet Glow (Michell)	50	4.00	
Zurich	50	4.00	
King of Carpets	50	250	
Splendens	25	1.00	

PETUNIA.

	Tr.	Pkt.	Oz.
Michell's Monstrous	\$1.00		
California Giants	50		
Grandiflora Fringed	50		
Dwarf Inimitable	50	1.25	

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Seeds with a generation of finest flowers and vegetables back of them—carefully selected—really tested.

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CARTER'S TESTED SEEDS, Inc.

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Geneva, N. Y.—Maney & Sayre, nurserymen, capital stock, \$30,000. Incorporators, T. J. Maney, R. M. Sayre and Fitzhugh McGrew.

Our readers will be interested in the statement about the Potash situation in the advertisement on page 197.

Onion Sets

Are advancing steadily in price, the great increase in demand being much ahead of the increase in supply. Present prices in case lots, immediate delivery, are \$1.40 for red, \$1.40 for yellow and \$1.60 for white.

Notes.

Toledo, O. The Page Seed Company has purchased the business of the Henry Phillips Seed Company, and will organize a new company to be known as the Page-Phillips Seed Company.

Imports of horticultural material into the port of New York and value of same, for week ending January 23, 1915, were as follows: Fertilizer, \$19,313; manure salt, \$17,033; clover seed, \$109,795; grass seed, \$1,728; sugar beet seed, \$16,945; trees and plants, \$40,142.

PICKING ROOM, LEONARD SEED CO., CHICAGO

est of its kind in this country. Its six floors are all devoted to the wholesale garden seed trade, and the cut shows the "picking" room, with its 100 machines in operation. These are fed from the grain in the reservoirs on the floor above, and after the sorting, fed again into bags on the floor below. Each floor is 75 x 165 feet, and all are filled. The office is on the main floor, where a corps of stenographers take care of the immense correspondence.

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SEEDS FOR PRESENT SOWING

Now is the time to plant
ANTIRRHINUM
MARGUERITE CARNATIONS
SALVIAS

VERBENAS

VINCAS

Write for a copy of our Garden Annual for 1915, just published

R. & J. FARQUHAR & CO., 6 So. Market Street
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Braslan Large wholesale growers of **ONION, LETTUCE, CARROT, RADISH, PARSNIP,**
Seed Growers **PARSLEY, CELERY, ENDIVE, LEEK, SALSIFY and SWEET PEAS.**
Company
SAN JOSE, CALIFORNIA

Write for 1914 Contracting Prices

PEAS, BEANS, RADISH } Growers for the Trade
 and all Garden Seeds }

LEONARD SEED CO.
 226-230 W. KINZIE STREET, CHICAGO **ONION SETS**
 Write for Prices

GLADIOLUS

	100	1000
Blushing Bride	- \$0.75	\$6.00
Peach Blossom	- 1.00	8.00

A. HENDERSON & CO.
 349 RIVER STREET, CHICAGO

BURNETT BROTHERS

Importers and Growers of

SEEDS, BULBS, PLANTS, &c.

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J. W. Edmundson, Mgr. M. W. Williams, Sec'y
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 mention **HORTICULTURE**.

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We are extensive growers and dealers of
 Seed and Sets. All our stock is first-class
 quality. Write for prices.

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 Ohio

Seedsmen requiring the very best
 selections of

Garden Seeds

(VEGETABLE AND FLOWER), especially

Kelway's Celebrated English Strains

can get them at lowest independent whole-
 sale rates by sending their orders direct to

KELWAY & SON

Wholesale Seed Growers
LANGPORT, S. MERSET, ENGLAND
 Special quotations on application

Place your order now for Ayres' Winter
 Flowering

SWEET PEA SEED

S. BRYSON AYRES CO.

"Renowned Sweet Pea Specialists"
SUNNYSLOPE, INDEPENDENCE, MO.

Burpee's Seeds

PHILADELPHIA

BLUE LIST OF WHOLESALE PRICES
MAILED ONLY TO THOSE WHO PLANT
FOR PROFIT.

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FOR FLORISTS

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Joseph Breck & Sons Corp.

Seedsmen

47-54 No. Market St., BOSTON, MASS.

GARDEN SEED

BEEF, CARROT, PARSNIP, RADISH and
GARDEN PEA SEED in variety; also other
 items of the short crop of this past season,
 as well as a full line of Garden Seeds, will
 be quoted you upon application to

S. D. WOODRUFF & SONS 82 Dey St., NEW YORK
 and ORANGE, CONN.

SEEDS FOR PRESENT PLANTING

BEGONIAS, ANTIRRHINUMS,
STOCKS, LOBELIAS,
VERBENAS, ETC.

THOS. J. GREY CO.

32 So. Market St., Boston.

MY NEW LIST OF

Winter Spencer Sweet Pea Seed

Has been mailed. If not in your hands
 now, send a postal for it.

ANT. C. ZVOLANER
 Lompoc, Cal.

S. S. SKIDELSKY & CO.

BULBS, PLANTS and SEEDS

1218 Betz Bldg., Philadelphia

Catalogue on application

It is our BUSINESS to supply
 you with

SUPERIOR GLADIOLI

JOHN LEWIS CHILDS
FLOWERFIELD, L. I., N. Y.

97th YEAR

J. BOLGIANO & SON

Wholesale Garden and Field Seeds,
 Onion Sets, Seed Potatoes
 GROWERS OF PEDIGREE TOMATO SEEDS
BALTIMORE, MD.

THE BUGS ARE BUSY

NICO FUME LIQUID and PAPER

Prepaid to Your Door

1 Gal. Can....	\$10.50	1/2 Gal. Can....	\$5.50
288 Sheets Paper.....			7.50
111 Sheets Paper.....			4.00

ROMAN J. IRWIN, 108 West 28th St.
 NEW YORK

ALEX. McCONNELL

611 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Cut-rose and single Daisies
Most popular

Reference or cash must accompany all orders from unknown correspondents.
Cable Address, ALEXCONNELL.

G. E. M. STUMPP

761 Fifth Ave.

NEW YORK CITY

Member Florists' Telegraph Delivery Asso.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to
New York City

Or OUT-GOING STEAMERS

Write or Telegraph

2139-2141 Broadway, - New York
Telephone 1552-1553 Columbus

Established 1874

DARDS

FLORIST

M. E. Cor. 44 St. & Madison Avenue, N. Y. City
(Member Florists' Telegraph Delivery Asso.)

Flowers shipped on all Steamers. Special Correspondence in all the large cities of Europe and the British Colonies. Telegraph and Cable address, Dards & v

A. T. BUNYARD

NEW YORK

413 Madison Avenue at 48th Street.

Also Newport, R. I.

We Guarantee Satisfaction

MEMBER F. T. D. A.

Myer NEW YORK
609-611 Madison Ave.

Choice cut flowers and
designs for all occasions.
Steamer and theatre
flowers a specialty

Member Florists Tel. Delivery. Wire Me Your Orders

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

FLOWERS delivered promptly in
Buffalo, Niagara Falls, East Aurora,
Lockport, Tonawanda, Lancaster and
other Western New York cities and
towns.

Palmer's

304 Main Street
BUFFALO, N. Y.

Members Florists' Telegraph Delivery Association

RANDALL'S FLOWER SHOP

HARRY I. RANDALL, Proprietor.

Phone: Park 94

3 PLEASANT ST., WORCESTER, MASS.

Member Florists Telegraph Delivery Association

Of Interest to Retail Florists**THE ROAD TO SUCCESS**

Quality, service, and economy are based on the fact that the selection of flowers and the early object of the florist is to be considered properly. Too many young men look at each day's sale as the end to be gained. The increase in sales from day to day in the early struggle of a business house is of less vital importance than the return of pleased and profitable patrons. Satisfied customers who will think of you and you only when they desire flowers are far more valuable to your business than the passersby who come and go, never to be seen again.

Build your business house upon the solid foundation of confidence, cemented with satisfaction, and you will surely possess the pleased patrons that are the ornament of any business house.

When I opened my first store on a capital of \$300.00, no doubt I plodded along like the great majority of mediocre business men, and it was only through the chance remark of a friendly customer that I saw the light. This man came into my store and said: "Mr. Penn, what are you going to soak me for a dozen of carnations?" Do you see the point? I realized then and there, that that man, and the general public as well did not know that my prices and the quality of my stock were right. It was up to me to educate the public. I realized that the newspaper was the medium through which my message might be delivered to everybody. I also realized that it must be told constantly and convincingly so that in the end the great majority of flower buyers would unconsciously think of me when they thought of flowers.

To my mind advertising is an essential feature of the flower business. Flowers must be sold quickly, or into the waste box they must go. When men in other lines of business consider themselves fortunate if they can secure five or six turnovers during the year, in the flower business a turnover is necessary almost every day, especially if you are to give your customers the best of quality and service. So if you would have quick sales and a large volume of business—ADVERTISE. Some florists advertise through the mails, picking out a selected list; others use the newspapers, cars, bill-posters, theatre programs, telephones, etc. We employ all of these agencies and several others too complicated to relate here.

The Telegraph Delivery System, really still in its infancy, has been one of my hobbies, and the young florist who does not take advantage of this channel of getting business is asleep. My cards in the trade papers, small as they are, have repaid me many times over. It is my purpose to make the trade think of me when they think of sending telegraph orders to Boston.

The trade must be educated to the facts of your facilities as well as the general public, and the methods are the same in both cases. I believe in our florists' trade papers and appreciate all that they have done for us through the medium of our cards. Ad-

JOHN BREITMEYER'S SONS

Cor. Broadway and Gratiot Aves.
DETROIT, MICH.

Artistic Designs . . .
High Grade Cut Blooms

We cover all Michigan points and good sections of Ohio, Indiana and Canada.
Members Florists' Telegraph Delivery Association.

THE ROSERY

23 STEUBEN ST.

ALBANY, N. Y.

FLOWER DELIVERIES FOR ALBANY
AND VICINITY

Members Florists' Telegraph Delivery

Danker

Albany, N. Y.

Not How Cheap
But How Good.

Capital of the Empire State

Member F. T. D. A.



WASHINGTON,
D. C.

GUDE'S

Member Florists
Telegraph
Delivery

SAMUEL MURRAY

Kansas City, Mo.
913 Grand Ave.

Member of the Florists' Telegraph Delivery
All Orders Given Prompt and Careful Attention

The Park Floral Co.

J. A. VALENTINE, Pres.

Member Florists' Telegraph Delivery.

DENVER, COLORADO

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS

25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2786
Members Florists Telegraph Delivery

"THE HOME OF FLOWERS"

The largest cut flower store in America
Orders for the TWIN CITIES and for all
Northwestern points given prompt attention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

CHICAGO

Send Your Orders to

WILLIAM J.**SMYTH**Member Florists' Telegraph
Delivery Association**Michigan Ave. at 31st Street**Prompt Auto Delivery
Service**THOS. F. GALVIN**
INC.**NEW YORK** 561 Fifth Ave.
Vanderbilt Hotel**BOSTON** 126 Tremont Street
799 Boylston Street

Deliveries to Steamers and all Eastern Points

CLEVELAND**A. GRAHAM & SON**

5523 Euclid Ave.

Will take good care of your orders

Members of F. T. D. Association.

WASHINGTON

915 F ST. N. W.

F. H. KRAMERAuto delivery of Designs and Flowers to
any address in Washington.

Stock and Work First Class

New York. Washington, D. C.

J. H. SMALL & SONS
FLORISTS**NEW YORK, WASHINGTON, D. C.**
1153 Broadway, Cor. 15th & H. Sts.
AND WALDORF-ASTORIA.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL STREET, ALBANY, N. Y.

ST. LOUIS, MO.**FRED C. WEBER**

4326-28 Olive St.

Member Florists' Telegraph Delivery Association
NOTICE INITIALS. We have one store only

The Far-Famed Flowers of

TORONTODelivered on mail or telegraph order for
any occasion, in any part of the Dominion.**JOHN H. DUNLOP**

96 Yonge St., - - - TORONTO, ONT.

Kerr**ORDERS**
FOR
TEXASThe Florist **HOUSTON, TEXAS**

Member F. T. D. Association.

vertising in the trade papers must be done in the same way as that used in the newspapers. Spasmodic publicity is money wasted. The inexperienced advertiser expects immediate results and this is where he stops off. A publicity campaign must be planned several months or years ahead. In my case it was planned for a lifetime.

Every flower merchant ought to treat his trade papers with consideration. They are the greatest friends of the trade and should be used accordingly. Every live florist will read his trade paper as the devotee reads his bible. It is the medium between the grower, wholesaler and retailer that gets closer to the people who read it than any other class of publication.

Again, let me repeat in closing—**ADVERTISE.** Keep your business constantly in the people's minds, so that the mention of buying flowers suggests to them the mental picture of your individual ads., so that your firm and your ads. are welded for all time with the thought of flower buying.

Therefore—**ADVERTISE.***Henry Penn***NEW FLOWER STORES.**

Colfax, Wash.—Roy Endsley.
Kansas City, Mo.—Art Floral Shop.
Hamilton, O.—Karl W. Heiser, 22 High St.
Elizabeth, N. J.—J. W. Bakely, 80 Broad St.
Pittsburgh, Pa.—C. Phillips, Forbes & Dallas Aves.
Scranton, Pa.—Baldwin, the Florist, 118 Adams Ave.
Chicago, Ill.—Charles W. Vynnanek 1146 W. 18th street.
East Lansing, Mich.—Wildwood Flower Shop, 306 Grand River Ave.
Boston, Mass.—James Tuohy, South Huntington Ave.

PITTSBURGH NOTES.

Fred Burki, Marian Morgan, T. P. Langhans and Edward H. Blind formed a congenial party of Pittsburghers at the Buffalo meeting of the American Carnation Society.

Julius W. Ludwig, president of the Ludwig Floral Co., 502 Federal street, North Side, is convalescing after a severe attack of la grippe, confining him to the house during the past week. Notwithstanding, however, he supervised the elaborate decorations for the McKinley anniversary dinner, which called into requisition a large quantity of flowers and plants.

February 8 will be Carnation Night at the New York Florists' Club. A big showing of "the divine flower" is hoped for. Some of the growers who lacked the necessary courage to display their skill at the Buffalo convention may decide to take a chance on this occasion.

*Penn The Florist***"The Telegraph Florist"**

Member of Florists' Telegraph Delivery

37-43 Bromfield St., Boston, Mass.

ORDERS FOR**NEW YORK**

WIRE OR PHONE TO

MAX SCHLING

22 West 59th Street, adjoining Plaza Hotel

Best Florists in the States as References

EUROPEAN ORDERS EXECUTEDMembers of the Florists' Telegraph
Delivery.**REUTER'S**Members Florists'
Telegraph
Delivery**STORES IN**New London and Norwich, Conn.
and Westerly, R. I.

We cover the territory between

New Haven and ProvidenceTransfer your orders for flower or
plant deliveries to**ZINN The Florist**
4 Park St., Boston**HESS & SWOBODA****FLORISTS**

Telephones 1891 and L 1881

1415 Farnum St.,

OMAHA, NEB.**THE J. M. GASSER COMPANY,****CLEVELAND**

Euclid Avenue

NEWS NOTES.

Toledo, O.—Mrs. P. J. June has sold her interest in the White-June Company, florists, 726 Madison Ave.

Detroit, Mich.—Chas. H. Maynard has sold out his interest and severed his connection with the Flower Growers' Corporation of Detroit. He has not fully decided where he will locate, but will stay in the florist business.

SEASONABLE SUGGESTIONS

BY THE FLORISTS' SUPPLY HOUSE OF AMERICA

*St. Valentine's Day Novelties—Heart Boxes for Violets—Cherries
for Washington's Birthday*

CATCHY NOVELTIES IN TANGO FAVORS

HANDLE BASKETS With Liners

CYCAS LEAVES, Best in the World

WHEAT SHEAVE CREPE PAPER AND MATS

TUMBLER BASKETS

MAGNOLIA LEAVES

CREPE FLOWERS

H. BAYERSDORFER & CO.,

The Florists' Supply
House of America

**1129 Arch St.,
PHILADELPHIA, PA.**

NEWS ITEMS FROM EVERYWHERE

BOSTON.

A. A. Pembroke is receiving congratulations on his record at Buffalo—out of 21 vases of carnations, thirteen 1st and eight 2nd prizes.

William Penn, of the firm of Penn the Florist, is now in Atlantic City with his wife, where they intend to spend a two weeks vacation.

The local seed houses report good prospects for spring business. Catalogs have been mailed and returns are beginning to come in from all parts of the country.

Take note that HORTICULTURE has moved its offices from 11 Hamilton Place to 147 Summer St. The new headquarters are much nearer to the wholesale flower markets and South Station.

All action concerning the credit association seems to have ceased. It is to be regretted that keener interest and a livelier spirit of co-operation are lacking among the local growers concerning so important a matter.

Over five hundred persons at the Inaugural and Ladies' Night of the Gardeners' and Florists' Club of Boston and not more than ten wore flowers! Nevertheless florists persist in complaining about the scarcity of flowers at the social gatherings of laymen.

Moses Penn, formerly located in the Hotel Brewster building on Washington street, has opened up a new florist shop at 3 Bromfield street. Confusion is bound to arise with two florists of the same name on the same street, but—the name "Penn the Florist" is registered.

J. A. Nelson of Framingham, Mass. made his first try at competing in the Carnation Show at Buffalo, aided and abetted by his sagacious friend and salesman, "Bill" Hastings. He made

six entries which netted him three 1sts and one 2nd prize. Pretty clever for a first attempt.

The contingent from Boston and vicinity came home feeling pretty well pleased with their near-sweep at Buffalo. The seven exhibitors in the party captured twenty-nine 1st prizes, twenty-one 2nd prizes and three medals. Mighty little left for the balance of the country.

Some specialties noted this week are carnation Morning Glow from Ed. Winkler of Wakefield, tulips from Mann Bros. of Randolph, Freesia Purity from Thos. A. Cox of Dorchester, Dutch Golden Spur narcissi from John J. Fee of Jamaica Plain and mignonette from Wm. R. Nicholson of Framingham.

Edward Winkler of Wakefield, who was one of the Boston party to the Buffalo carnation meeting is much pleased with the success of his new carnation Morning Glow in scoring 85 points and winning the coveted certificate of merit. This carnation which is a seedling of Winona crossed with Queen has already made a sterling reputation among the Boston retail trade.

Very little was done by local florists to stimulate interest in McKinley Day, Jan. 29. We need to take advantage of every possible occasion upon which to create a demand for flowers. Enough kicks and jolts are being suffered by the trade at the hands of thoughtless people who are publicly objecting to the use of flowers at social gatherings, inaugurals, etc., without this lethargy on the part of the trade itself.

The new store of Thos. F. Galvin, on Park Street will very soon be open for business. Its exterior is attracting much attention on account of the spacious show windows and the large circular showcase in the centre of the semi-circular entrance. The store is eighty-five feet long and forty-five feet wide, a combination of the two stores formerly located there. The architect's drawing of the new front is now on display in the window of the Tremont street shop.

CHICAGO.

T. Waters reports the Poehlmann Bros.' supply business for January, 1915, in excess of that of a year ago.

Chas. W. Vyhnanek who has a retail store at 4227 W. 22nd street, has opened another at 1146 W. 18th street.

John Michaelson regards the last two weeks in January as the best since Memorial Day, combining normal demand with good quality of stock and fair prices.

Freesias of delicate tints of pink, yellow and lavender are now received from local growers at E. C. Amling's. They are very beautiful and are quickly sold. The supply will soon be larger.

Phil Schupp says that nearly all of J. A. Budlong's lily of the valley has arrived and every pip was in fine condition. This house has an enviable reputation for the excellency of the

CHICAGO

And Neighboring Towns

Are Thoroughly Covered by

SCHILLER, THE FLORIST

(Member Florists Telegraph Delivery)

Flowergram or Mail Orders from Somewhere, anywhere carefully filled and delivered under the supervision of

GEORGE ASMUS, Mgr.

2221-2223 W. Madison St., CHICAGO.

'Phone West 822

S. A. ANDERSON

440 Main St., Buffalo, N. Y.

ANDERSON service means fresh, sturdy stock, and prompt deliveries in BUFFALO, LOCKPORT, NIAGARA FALLS and WESTERN NEW YORK.

Members of Florists' Telegraph Delivery.

ROBERT J. DYSART

PUBLIC ACCOUNTANT AND AUDITOR

Simple methods of correct accounting especially adapted for florists' use.

BOOKS BALANCED AND ADJUSTED

Merchants Bank Building

40 STATE ST. - - - - BOSTON

Telephone Main 55

F. R. PIERSON CO.
FLORISTS AND
PLANTSMEN
TARRYTOWN ON HUDSON, - N. Y.

EVERYBODY NEEDS THIS!



For securing Cut Flowers, Plants and Floral Designs in Cardboard or Corrugated Boxes.

HART'S PATENT STAPLE TACK

For immediate use in *Box of Any Size*, with wooden strip of any length or form.

Efficient, Handy, Cheap.

PRICES: \$4.00 per 1000; 50c. per 100

DISCOUNT TO JOBBERS.

GEORGE B. HART,

**24 STONE STREET
ROCHESTER, N. Y.**

quality of the stock it places on the market.

Geo. Wienhoeber has completed several changes in his store, greatly adding to its beauty and convenience and also placed a large stock refrigerator in the basement workroom. He says the old time corsage bouquet is of the past and lays it to modern dressing and modern dancing.

The hot frames on the lots opposite the greenhouses, at Frank Oechsli's, will be replaced this spring with a range of six houses of the latest models for plant growing. The present range is new and up to date and this addition will give much needed room for the high-class stock which has won such a good repute for this establishment.

Frank Beu has now one of the best equipped as well as most attractive places on the northwest side. His new brick building at 4445 N. Crawford avenue, containing a store and three flats, is now completed and later it will be joined on the south side by conservatories. The store is 22x35 ft. with an 18 ft. window and richly furnished. Mr. Beu and son Carl, operate the place together, Carl attending also to the wholesale part in the market. Mr. Beu leaves Friday for a visit to his old home in Philadelphia which he left 17 years ago for Chicago. During the past five years death has come into his family five times and a vacation will afford a much needed diversion and rest. The Kaiserine rose still has one faithful champion in Chicago. Frank Beu has always found it too profitable a summer rose to discard and grows about 3000 plants each year for his retail trade, planting them after the chrysanthemum houses are emptied.

ALBANY, N. Y.

A leisurely homeward trip from the Buffalo carnation meeting gave oppor-

tunity for a brief call on a few of the Albany flower establishments. The Albany Cut Flower Exchange has in its present quarters an ideal wholesale place, in location, size and equipment, and Manager Thos. Tracey said business was excellent. At The Rosery there was quite a hustle on with funeral work and some very attractive and useful floral baskets with tin containers charmingly filled with Farleyense ferns and sweet peas. At H. G. Eyres' there was also evidence of good seasonable trade and a handsome window attractively dressed. Gloeckner's cozy store close to the State Capitol wore its customary inviting attire and the proprietor was right on his job.

Business was hustling at F. Danker's and the window filled with a line of plants and flowers not usual in florists' windows. Accepting Mr. Danker's invitation we took a hurried run out to his nursery and greenhouse establishment where we found a place attractively adorned with groups of evergreens outside and well filled with varied stock inside. There are two fine rose houses, each 30 x 150, one filled with Killarney and in the other we noted beds of rested and cut-back Ward and Carnot roses which are showing the effect of generous feeding, in a vigorous break of young wood. There are some ten or twelve houses altogether conveniently grouped around a commodious workroom and also that most useful adjunct of such an establishment—a big cold house in which are stored bays, boxes, azaleas and bulbs. Carnations were fine.

We did intend to visit Fred Goldring's place at Slingerlands, but Sunday trains to that noted establishment are mighty scarce and Sundays at Goldring's are an undisturbed solitude in consequence, an inconvenience which is not without its compensating advantages.

LANCASTER, PA.

In walking through the one street of Strasburg, the most magnificent specimens of geraniums, coleus, primroses, cyclamen and a few other plants were noted in the windows of almost every house, Mr. Rohrer and Mr. Herr, both being wise enough to encourage this trade by having for sale a few extra good plants, not scrubby stock grown in an out-of-the-way corner. The writer believes that there are hundreds and thousands of just such homes as these Strasburg people have that are neglected by the florists, or their trade has been killed by selling them ordinary stock that did not give satisfaction.

If the trade papers had been wise enough to print the address given by Mr. Sheldon in Philadelphia in full instead of giving it a half-inch notice, or if the S. A. F. could for once be persuaded to get such a man to address their meeting, the trade might gradually wake up to its opportunities and to the fact that good goods, good service and honesty are the business builders of this day and generation and unless we do thus wake up we will not take our place in the world to which we are entitled.

While on this subject, at the recent inauguration in this State we had from Lancaster a Lieutenant-Governor in the person of our B. F. McClain, one of the most popular men in the city. The occasion should have been one of great benefit to the trade if it had been properly worked up, but instead there was not even a ripple and flowers going to waste by the thousands. If our retail florists would take up a course such as the Sheldon or one of the others offered, all of which are excellent, such opportunities would not be overlooked, and some of our producers in the cut flower line would be better enabled to count the costs before getting in too deep.

ALBANY, N. Y.

SPRING FLOWERS

WHITE and PURPLE LILAC,—per bunch, \$1.25
 PURE WHITE FREESIA,—per 100, \$4.00
 PUSSY WILLOW,—per bunch, 50 cents

Daffodils — Snapdragon — Pansies — Daisies — Corn-flowers — Gardenias.

A well-regulated supply. Enough stock every day to fill your orders.

THE LEO NIESSEN CO.
 Wholesale Florists

N. W. Cor. 12th and Race Sts., PHILADELPHIA, PA.
 BALTIMORE, MD. WASHINGTON, D. C.

READER!!

HELP Us to Continue
 Producing the

BEST TRADE PAPER

Just Mention **HORTICULTURE**
 When Writing to Advertisers

THE BEST LETTERS

FOR
 FLORIST'S
 USE

R

THOSE
 MADE
 BY THE

Boston Florist Letter Co.

66 PEARL ST., BOSTON
 N. F. McCarthy, Mgr.

Block Letters, \$2.00 per 100.
 Script Letters, \$3.00 per 100.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock

POEHLMANN BROS. CO.

Supply of Best Cut Flowers all the Year Around

72-74 EAST RANDOLPH ST., - - - CHICAGO.

If interested, send us your name and address for our weekly price list

WELCH BROS. CO.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street, Boston, Mass.

WHOLESALE FLOWER MARKETS — TRADE PRICES—Per 100 TO DEALERS ONLY

	CINCINNATI January 25	CHICAGO January 25	BUFFALO January 25	PITTSBURG January 25
Roses				
Am. Beauty, Special.....	25.00 to 3.00	25.00 to 3.00	40.00 to 60.00	40.00 to 50.00
" " Fancy and Extra.....	15.00 to 2.00	25.00 to 4.00	20.00 to 25.00	25.00 to 35.00
" " No. 1.....	1.00 to 1.00	1.00 to 20.00	10.00 to 15.00	15.00 to 20.00
Killarney, Richmond, Extra.....	6.00 to 1.00	1.00 to 12.00	8.00 to 1.00	10.00 to 12.00
" " Ordinary.....	1.00 to 1.00	1.00 to 6.00	3.00 to 5.00	4.00 to 8.00
Hillingdon, Ward, Sunburst, Extra.....	1.00 to 1.00	1.00 to 12.00	1.00 to 1.00	8.00 to 12.00
" " Ordinary.....	1.00 to 1.00	1.00 to 6.00	5.00 to 7.00	4.00 to 6.00
Maryland, Shawyer, Talt, Extra.....	1.00 to 1.00	1.00 to 12.00	8.00 to 1.00	8.00 to 10.00
" " Ordinary.....	1.00 to 1.00	1.00 to 6.00	1.00 to 8.00	4.00 to 6.00
Russell, Hadley, Ophelia.....	1.00 to 1.00	1.00 to 1.00	1.00 to 1.00	8.00 to 12.00
Carnations, Fancy.....	3.00 to 4.00	3.00 to 4.00	2.25 to 3.00	1.00 to 4.00
" " Ordinary.....	2.00 to 3.00	2.00 to 3.00	1.50 to 2.00	1.00 to 2.00
Cattleyas.....	25.00 to 50.00	30.00 to 4.00	40.00 to 60.00	50.00 to 50.00
Cypripediums.....	1.00 to 1.00	1.00 to 1.00	12.00 to 1.00	1.00 to 15.00
Lilies, Longiflorum.....	10.00 to 1.00	1.00 to 12.00	8.00 to 12.00	10.00 to 12.50
Lily of the Valley.....	3.00 to 1.00	1.00 to 4.00	1.00 to 4.00	2.00 to 4.00
Violets.....	1.00 to 1.00	1.00 to 1.00	1.00 to 1.00	1.00 to 1.00
Snapdragon.....	1.00 to 1.00	1.00 to 8.00	4.00 to 6.00	4.00 to 10.00
Narcissus, Paper White.....	2.00 to 4.00	1.00 to 2.00	1.50 to 2.00	3.00 to 4.00
Corn Flower.....	1.00 to 1.00	1.00 to 1.00	1.00 to 1.00	2.00 to 4.00
Freesia.....	1.00 to 1.00	1.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Daffodils.....	4.00 to 5.00	3.00 to 5.00	3.00 to 4.00	1.00 to 1.00
Lilac per 100 b.....	1.00 to 1.00	1.00 to 1.00	1.00 to 1.00	1.00 to 1.00
Sweet Peas.....	1.00 to 75	1.00 to 2.00	1.50 to 1.50	1.50 to 1.50
Gardenias.....	1.00 to 25.00	1.00 to 20.00	30.00 to 30.00	1.00 to 1.00
Adiantum.....	1.00 to 1.00	1.00 to 1.00	1.25 to 1.25	1.00 to 1.25
Smilax.....	1.00 to 12.50	1.00 to 15.00	15.00 to 15.00	15.00 to 15.00
Asparagus Plumosus, Strings (100).....	25.00 to 50.00	50.00 to 75.00	45.00 to 50.00	40.00 to 50.00
" " & Spreng. (100 bchs.).....	25.00 to 35.00	35.00 to 50.00	15.00 to 35.00	25.00 to 50.00

BUY

BOSTON FLOWERS

N. F. MCCARTHY & CO.,
 112 Arch St., 31 Otis St.

BOSTON'S BEST HOUSE

C. E. CRITCHELL

"The" Wholesale Florist of Cincinnati

32-34-36 East Third Street

Consignments Solicited. Complete stock of Florists' Greens and Supplies.

Mention Horticulture when writing.

Wired Toothpicks

Manufactured by

W. J. COWEE, Berlin, N. Y.

10,000....\$1.75. 50,000....\$7.50. Sample free

For sale by dealers

E. G. HILL CO.

Wholesale Florists

RICHMOND, IND.

Please mention Horticulture when writing

WILLIAM F. KASTING Co.

Wholesale Florists

383-387 ELICOTT ST. - - - BUFFALO, N. Y.

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264 RANDOLPH ST., DETROIT, MICH.

Flower Market Reports

BOSTON With the thermometer registering below the freezing point and snow and sleet making conditions in the downtown districts uncomfortable, very little business has been done by the majority of retailers. Funeral work has been the mainstay of the trade during the last few days. But with this exception business is dull and necessarily the demand is small. Several weeks of cloudy weather have shortened up the supply, so that the wholesalers have been able to demand fairly good prices. Roses are now quite short in supply, especially Russells and Hadleys. Beauties are not being called for to any great extent this week and consequently have fallen off in price a bit. Carnations have taken a brace, the supply having dropped markedly. McKinley Day found few supporters among the trade and passed away with no noticeable increase in business. It has been difficult to secure concerted action upon this holiday, but few retailers have taken kindly to it and have decided to extend their efforts to the days that have already been widely exploited. All branches of the trade are looking forward to St. Valentine's Day for increased activity.

Very little change from **BUFFALO** previous report except that roses have come on a trifle more in quantity. The shortage were on the shorts and mediums and these are coming in more plentifully. A fine lot of sweet peas are had also lily of the valley, tulips, daffodils, mignonnette and a fair call for these. There are plenty of carnations of all grades and the poor quality has very little outlet. Business is not brisk, though some days a slight ripple is noticeable. Social gaieties are quiet and the weather too cold for any speculative buying.

It is hard to understand **CHICAGO** just why the wholesaler is so much more cheerful than the retailer these days, unless it is the advanced prices. There is no increase in the number of Beauties or roses coming into the market and the supply may be said to be decidedly short. Little sunshine has appeared to help out the buds, and zero weather has been recorded frequently during the past week. Some fine Mrs. Russell roses are now seen, carried on stems from 30 to 36 inches and they compete with American Beauty in price. Mrs. Ward is about through for the present. The violet situation is still unusual. Low prices are general, yet the market was sold out on Saturday and could have used more. Downtown retailers are selling violets for 25c. per bunch of 50, fresh stock. Cattleyas remain low also; one house retails regularly for 35c. each. Carnations are in good supply and are selling much better than earlier in the year. The season is marked by the lack of large social events and the chief use of flowers is for funeral work. For gifts and small events the spring flowers are very popular. Valentine's Day is looked forward to by the trade this year as an opportunity to make up a little of earlier losses.

Spencer Sweet Peas



Our growers are and will be cutting freely for some time to come Orchid Sweet Peas (Spencers) in light and dark pink, cerise, white, shaded white and a number of other shades, unusually choice quality, splendid long, well-flowered stems.

Medium stems, per 100, \$1.00; long, \$1.50; extra long, \$2.00.

VALLEY. Special, \$4.00 per 100. Fancy, \$3.00 per 100.

PUSSY WILLOW. 50c. and 75c. per bunch.

GARDENIAS. Special, \$3.00 per doz. Fancy, \$2.00 per doz.

CATTLEYAS. Special, \$5.00 per doz. Fancy, \$4.00 per doz. A few extra choice, per doz., \$6.00.

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BALTIMORE
Franklin and St. Paul Sts.

WASHINGTON
1216 H St., N. W.

WHOLESALE FLOWER MARKETS

TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON February 4	ST. LOUIS January 25	PHILA. January 25
Roses			
Am. Beauty, Special	40.00 to 40.00	30.00 to 40.00	..... to 60.00
" " Fancy and Extra	12.00 to 20.00	20.00 to 25.00	40.00 to 50.00
" " No. 1	10.00 to 10.00	10.00 to 15.00	20.00 to 30.00
Killarney, Richmond, Extra	12.00 to 12.00	5.00 to 6.00	6.00 to 10.00
" " Ordinary	5.00 to 5.00	2.00 to 4.00	3.00 to 5.00
Hillingdon, Ward, Sunburst, Extra	15.00 to 15.00	6.00 to 8.00	6.00 to 10.00
" " Ordinary	6.00 to 6.00	3.00 to 5.00	3.00 to 4.00
Maryland, Shawyer, Taft, Extra	15.00 to 15.00	8.00 to 8.00	8.00 to 10.00
" " Ordinary	4.00 to 4.00	3.00 to 5.00	4.00 to 6.00
Russell, Hadley, Ophelia	15.00 to 15.00	6.00 to 10.00	10.00 to 20.00
Carnations, Fancy	5.00 to 5.00	2.00 to 3.00	3.00 to 4.00
" " Ordinary	2.00 to 2.00	.75 to 1.00	1.50 to 2.00
Cattleyas	50.00 to 50.00	40.00 to 50.00	40.00 to 50.00
Cypripediums	10.00 to 10.00	10.00 to 10.00	10.00 to 15.00
Lilies, Longiflorum	10.00 to 10.00	8.00 to 10.00	10.00 to 12.00
Lily of the Valley	4.00 to 4.00	3.00 to 4.00	2.00 to 4.00
Violets	.75 to .75	.25 to .75	.35 to .60
Snapdragon	4.00 to 4.00	3.00 to 5.00	12.00 to 15.00
Narcissus, Paper White	2.00 to 2.00	2.00 to 3.00	1.00 to 3.00
Corn Flower	.75 to .75	..... to 1.00	1.00 to 2.50
Freesia	2.00 to 2.00	..... to 1.00	1.00 to 6.00
Daffodils	3.00 to 4.00	3.00 to 5.00	3.00 to 4.00
Lilac (per bunch)	..... to 1.00	..... to 1.00	..... to 2.00
Sweet Peas	1.50 to 1.50	.50 to 1.50	.50 to 2.00
Gardenias	35.00 to 35.00	..... to 8.00	8.00 to 20.00
Adiantum	1.00 to 1.00	1.00 to 1.25	1.00 to 1.50
Smilax	12.00 to 12.00	10.00 to 12.50	10.00 to 12.00
Asparagus Plumosus, Strings (100)	25.00 to 40.00	35.00 to 50.00	35.00 to 50.00
" " & Spren. (100 Bchs.)	25.00 to 35.00	10.00 to 15.00	35.00 to 50.00

Most everything in **CINCINNATI** the market is cleaning up nicely. The cut is a little larger than a week ago, but the demand is active and the average quality of stock is very high. Roses are cleaning up as fast as they come in and at times more could easily be used. The same is true of carnations. Lilies are selling well. Both callas and Rubrum lilies have a fair market. The same applies to narcissus. Violets are in a large supply, the single ones selling much better than the double. Lily of the valley and orchids meet with a fair demand. Sweet pea offerings are excellent in quality. Other offerings include jonquils, freesia, tulips, Roman hyacinths and primroses.

The severe snow storm this week has affected business somewhat but with it all continues to be in a rather satisfactory condition. The supply of roses still being in a limited quantity prices prevail about the same as last week and carnations are moving better at \$30 to \$40 per 1000. Bulbous stock seems to be of exceptionally good quality and clears out nicely. Cattleyas are in oversupply and the average price by the hundred is anywhere from \$10 to \$15, a few special blooms bringing 25c. Cypripediums and Dendrobium formosum \$15 to \$20 per 100. Lily of the valley is moving slowly. The storm has been holding up shipments, especially those from long distances.

Continued on page 190

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Consignments Solicited

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P. J. SMITH

Successor to JOHN I. RAYNOR

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The HOME OF THE LILY by the 100, 1000 or 10,000.

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SAVE TIME AND MONEY BY SENDING YOUR ORDER TO US

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THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND

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JAMES McMANUS, Tel. 759 Mad Sq. 105 W. 28th St., New York

NEW YORK QUOTATIONS PER 100. To Dealers Only**ROSES AND CARNATIONS**Last Half of Week
ending Jan. 30
1915First Half of Week
beginning Feb. 1
1915

American Beauty, Special	25.00	to	35.00	25.00	to	40.00
" " Fancy and Extra	15.00	to	20.00	15.00	to	25.00
" " No. 1	5.00	to	10.00	5.00	to	15.00
Killarney, Richmond, Extra	6.00	to	10.00	8.00	to	12.00
" " Ordinary	3.00	to	4.00	4.00	to	8.00
Hillingdon, Ward, Sunburst, Extra	1.00	to	12.00	8.00	to	12.00
" " Ordinary	4.00	to	5.00	5.00	to	8.00
Maryland, Shawyer, Taft, Extra	6.00	to	12.00	5.00	to	12.00
" " Ordinary	4.00	to	6.00	4.00	to	5.00
Russell, Hadley, Ophelia	10.00	to	15.00	5.00	to	15.00
Carnations, Fancy Grade	3.00	to	4.00	3.00	to	4.00
" " Ordinary	2.00	to	3.00	2.00	to	3.00

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Wholesale Florists

101 W. 28th St., NEW YORK

We have 20 years' experience behind us.
Telephone, Madison Square 896 and 897.

Flower Market Reports

(Continued from page 189)

Among the new PHILADELPHIA items this week are tulips, yellow, pink and white; myosotis; *Acacia pubescens* and *forsythia*. *Stevia* is about over but there are larger supplies of sweet alyssum and candytuft, which will in a way take its place. Sweet peas continue in excellent demand and the quality is very good, so far as can be seen from market arrivals, but we hear of some growers having had trouble with dropping buds while cutting the crop. This is said to be especially the case with the *Spencers*. Some think this is caused by a defect in culture—probably too dry an atmosphere. *Mignonette* is moving very well and while the quality remains up to standard the cut is not quite so heavy. Enough lilies and callas for all demands—with a moderate hardening in prices. We see very few Roman hyacinths but there are plenty of paper whites and freesias. Violets are holding their own nicely, and are a very fair proposition at present. The supply of cattleyas is not quite so redundant and a healthy improvement is noticeable in prices—especially in the choicer grades. The smaller lower-priced flowers get the go-by for some reason. The daffodil procession is now being led by Golden Spur, followed by Trumpet Major and others of that type. On the whole we have experienced a very good week here since our last report. Prices generally have held firm, and in some items have shown a slight advance. The rose and carnation situation remains about as last reported. *Ophelia* and *Hadley* are conspicuous by their absence. *Russell* and *American Beauty* still very scarce.

Retail trade shows a little more life this week, despite the dark, drizzly weather, which has held some lines of stock back a little, so that prices, on the whole, are well maintained. The bulb stock, especially, has been retarded, offerings of tulips, hyacinths, freesias and daffodils being rather below expectations; and general offerings in the wholesale market have been well cleaned up. Tulips, however, are appearing in much greater variety, and they as well as hyacinths are exceptionally fine. Other bulb stock, including China lilies, is becoming a prominent feature. *Lilium Formosum*, however, is quite plentiful, and does not move off readily. Supplies of violets are excessive, especially as they consist mostly of poor stock; though anything of fair quality is well absorbed in the shipping trade. Several varieties of orchids are offered in profusion, and prices show a corresponding weakness; while the demand for gardenias has picked up nicely, most of the daily cuttings being readily disposed of. The cut of all roses has fallen off this week, red varieties being especially scarce. The demand is holding up, and prices have accordingly stiffened. Carnations continue to bring fair prices, with very moderate offerings. A good many primroses are coming in, and there is a good call for both the cut flowers and plants. Quite a lot of azaleas, which came in too late for the holidays, are still ap-

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New Crop Fancy Ferns : : : \$0.75 per 1000
Dagger Ferns : : : .75 per 1000

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USE OUR LAUREL FESTOONING

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Bronze and Green Galax, \$1.00 per 1000;
\$7.50 per case of 10,000.
Sphagnum Moss, large sack, only 40c.
Pine by the pound, 8c., or by the yard.
Branch Laurel, 35c. for a large bundle.
Southern Smilax, 50-lb. cases, \$5.00.
Green and Bronze Leucothoe Sprays, \$1.00 per 1000.
Fine Boxwood, \$7.50 per 50-lb. case.
Order in advance.
Write, wire or telephone 13 R4.
CROWL FERN CO., Millington, Mass.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Jan. 30 1915		First Half of Week beginning Feb. 1 1915	
Cattleyas	10.00	to 25.00	10.00	to 20.00
Lilies, Longiflorum	6.00	to 8.00	8.00	to 10.00
" Rubrum	2.00	to 3.00	.....	to
Lily of the Valley	1.00	to 3.00	1.00	to 3.00
Violets	.35	to .50	.35	to .50
Snapeadragon	4.00	to 8.00	4.00	to 6.00
Narcissus, Paper White, Roman Hyacinths	1.00	to 1.50	1.00	to 1.50
Freesia	2.00	to 3.00	2.00	to 3.00
Daffodils	2.00	to 3.00	2.00	to 3.00
Tulips	2.00	to 4.00	2.00	to 4.00
Mignonette	3.00	to 6.00	3.00	to 6.00
Lilac (per bunch)	.....	to 1.00	.....	to 1.00
Sweet Peas	1.00	to 2.00	.50	to 2.00
Gardenias	10.00	to 20.00	10.00	to 25.00
Adiantum	.75	to 1.00	.50	to 1.00
Smilax	10.00	to 12.00	10.00	to 15.00
Asparagus Plumosus, strings (per 100)	35.00	to 50.00	25.00	to 50.00
& Spreen (100 bunches)	15.00	to 35.00	20.00	to 35.00

pearing, but there is always some call for them. There has been a big demand for the last month or two for kentias and other palms and ferns, and many large orders are to be filled within the next few weeks.

Business of late has been somewhat better than any week since the first of the year. Stock is of extra good quality with roses in all varieties scarce. Carnations, too, have been somewhat scarce, but about enough of them coming in daily to supply the local wants. In sweet peas this market always has a good supply and some really fancy ones are seen daily. Violets, too, are in plenty for all demands. There are good freesias, lily of the valley, paper whites, Roman hyacinths, von sions and lilies in reasonable quantities, but the cold and dark weather all the past week curtailed the production greatly with our local growers.

Roses are very much off crop at the present time and stock such as was thrown away during the previous six months is now bringing a fair price; anything that has the semblance of a rose has a market value and the probabilities are that this condition will continue during the next four weeks. From present indications there will be no large supply of locally grown American Beauty roses until some time after the first of March and consequently retailers must be on the lookout to see that they do not get caught in taking orders for any quantity for future delivery. There is plenty of good stock of other than roses and carnations to fill all demands, such as lilacs, mignonette, freesia, narcissus, jonquils, tulips, sweet peas and violets. Sweet peas are as fine as have ever

been seen here at this season of the year. Gardenias are still scarce but there are fully enough to fill all demands. Cattleyas seem to have swamped the market and can be bought very low in quantities. Violets are coming in heavier quantities daily. Large quantities of cyclamen, primroses, azaleas and cinerarias are seen in the stores.

NEW YORK NOTES.

H. E. Froment will move in the near future to larger quarters at 156 W. 28th street.

The annual dinner of the New York Florists' Club will take place at the Hotel Astor on Saturday night, March 20.

The "clearing house" or distributing station is now at 103 W. 28th street in charge of Adam Trepel and John R. Weir.

L. B. Coddington, who has been very ill with typhoid fever, has passed the critical stage and it is hoped is on the way to complete recovery.

The guarantee list for the New York show is now almost \$7,000; space sold is about the same amount; program ads. over \$1,500. Not so bad!

There is a rumor which seems to be well founded that there will be a new seed house in the wholesale district in 28th street in the near future.

Messrs. Reed & Keller of New York City have applied for a patent on a Combination Flower Vase and Electric Standing Floor Lamp, so constructed that fresh cut flowers can be arranged in the metal containers of the vase.

Arthur Herrington has been appointed exhibition manager of the coming flower show. It is expected that the Retail Florists' Association will play an important part in this show, taking a large block of space over which they will have complete control.

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Ampelopsis Veltchii 3 yr., extra strong roots and tops, 3 to 4 ft., \$8.00 per 100; 2-yr., strong, 2 to 3 ft., \$4.00 per 100, \$35.00 per 1000; 2-yr., good, 18 to 24 in., 50 by parcel post, \$2.00; \$3.00 per 100; \$25.00 per 1000, by express. All packed to carry safely without extra charge. CHAS. BLACK, Hightstown, N. J.

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Henry A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

Begonia Gloire de Chateleine: 2 in., \$4.00; 3 in., \$7.00; 4 in., \$12.00; 5 in., \$20.00 per 100. These are an extra choice lot of plants; if not used for sale, they make good stock plants at a bargain price. Mr. Robt. Marchant of Hartford, Ct., has this to say: "The box of Begonias arrived in good shape. The plants are excellent. Thanking you for your prompt attention and good stock. I remain, etc."

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Cyclamen Specialist, Defiance, Ohio.

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Bulbs of all descriptions. Write for prices.
NEW YORK Branch, 8-10 Bridge St.

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Send for Canna book.
THE CONARD & JONES COMPANY,
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New Carnation Alke.
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CARNATIONS—Rooted cuttings: Beacon, Rosette, White Enchantress, \$3.00 per 100, \$25.00 per 1,000; Philadelphia, \$5.00 per 100, \$40.00 per 1,000.
FRANK P. PUTNAM, Lowell, Mass.

CARNATION STAPLES

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 1000 for 35c.; 3000 for \$1.00 post paid. I. L. PILLSBURY, Galesburg, Ill.

Supreme Carnation Staples, for repairing split carnations, 35c. per 1000; 3000 for \$1.00. F. W. WAITE, 85 Belmont Ave., Springfield, Mass.

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Poehlmann Bros. Co., Morton Grove, Ill.
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Wood Bros., Fishkill, N. Y.
Chrysanthemums Rooted Cuttings.
For page see List of Advertisers.

CHRYSANTHEMUMS—Finest Singles, Exhibition and Commercial; English Single Novelties for 1915, Choice New and Standard Singles, Best Pompons and Anemones. Send for Catalogue.

FRANK P. PUTNAM, Lowell, Mass.

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Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

A great bargain in blooming cyclamen, full of blooms and well set with buds, every plant a specimen, mostly light shades, 2 1/2-in., \$5.00; 4-in., \$10.00 and \$15.00; 5-in., \$25.00 and \$35.00; 6-in., \$50.00 and \$75.00 per 100. We have received a good many letters similar to this one: "Thank you very much for the beautiful cyclamen plants. It does not take a salesman to sell them."—Colonial Flower Shop, Goshen, Ind. This is what Mr. J. P. Newton, Sioux City, Iowa, says: "Ship 1000 transplanted cyclamen seedlings at your convenience. Last year's did beautifully."

Cyclamen seedlings, once transplanted, of our well-known strain, only the best sent out, with cultural directions; in separate colors, \$3.50 per 100; \$30.00 per 1000. These are strong, once transplanted stock, not to be compared with seedlings. 250,000 grown this season.

CHRIST WINTERICH,

Cyclamen Specialist, Defiance, Ohio.

DAHLIAS

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange. GEO. H. WALKER, Dahlia Expert, North Dighton, Mass.

DAHLIAS.

Send for Wholesale List of whole clumps and separate stock; 40,000 clumps for sale. Northboro Dahlia and Gladiolus Gardens, J. L. MOORE, Prop., Northboro, Mass.

NEW PAEONY DAHLIA

John Wanamaker, Newest, Handsomest, Best, New color, new form and new habit of growth. Big stock of best cut-flower varieties. Send list of wants to PEACOCK DAHLIA FARMS, Berlin, N. J.

ALEXANDER'S QUALITY DAHLIAS are the best on the market; 800,000 Clumps to offer, at rock bottom prices, in full field clumps, and strong divisions. If you are looking for stock for your 1915 Catalogue, or for forcing, send at once for free catalogue. J. K. ALEXANDER, "The Dahlia King," East Bridgewater, Mass.

DECORATIVE PLANTS

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FUCHSIAS

- Fuchsias—Black Prince, Speciosa, double**
purple and white, Rooted Cuttings, \$1.00
per 100; 2 1/4 in., \$2.00 per 100.
W. J. BARNETT, R. D. 67, Sharon, Pa.

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- Independence, 1st size, \$8 per 1000. Special**
prices on other home grown Gladioli.
MUNSELL & HARVEY, Ashtabula, Ohio.

Gladiolus—Shakespeare, Hyde Park,
Morning Star. Good for Florists' use.
First and second sizes. Write for prices.
HERMAN H. BAER, New Hyde Park, N. Y.

First size America, \$7.00; Mrs. F. King,
\$9.00; Velvet King, \$11.00 per 1000, until
stock is reduced. Write for wholesale and
retail price lists of about 100 varieties.
G. D. BLACK, Independence, Iowa.

First size healthy Gladioli, per 1000:
Augusta, \$4.00; Huilot, \$14.00; Halley, \$14.00;
King of Yellow, \$25.00; Francis King, \$14.00;
Panama, \$37.50; Pink Beauty, \$9.00; White
and Light Mixed, \$10.00. Send for list of
75 varieties, including planting sizes. **F. E.**
SWETT & SON, Stoughton, Mass.

America, 3-8 to 3-4 inch, \$1.50 per 1000;
bulbets, \$5.00 per bushel. **Mrs. F. King,**
3-8 to 3-4, \$2.00 per 1000. Write for prices
on small stock—Halley (early), Chicago
White (early), Klondyke, Princeps, Aug-
usta, Taconic, Golden King, Peace, Vic-
tory, Niagara and Pendleton. **HOMER F.**
CHASE, Lawrence, Mass.

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- Greenhouse glass, lowest prices. JOHN-**
STON GLASS CO., Hartford City, Ind.

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- Hardwood Ashes for sale. GEO. L.**
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STANDARD HOT BED SASH—80c. each.
Glass, 6 x 8, 8 x 10, 10 x 12 or 10 x 14, \$1.50
per box. **C. N. ROBINSON & BRO.,**
Dept. 29, Baltimore, Md.

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In writing to Advertisers kindly mention Horticulture

IVY

English Ivy from 1 to 2, 20 to 30 in., \$3.00; from 30 to 40 in., \$5.00 per 100
CHARLES FRIST, Kenilworth, N. J.

LEMON OIL

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FOR SALE—The collection of the late
 Edward J. Milton. Apply to JOSHUA
 LAWSON, 1440 Beacon St., Brookline, Mass.

Lager & Hurrell, Summit, N. J.

PALMS, ETC.

Robert Craig Co., Philadelphia, Pa.
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PEONIES

Peonies. The world's greatest collection.
 1200 sorts. Send for list. C. BETSCHER,
 Canal Dover, O.

PECKY CYPRESS BENCHES

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 THE CONARD & JONES COMPANY,
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SKINNER IRRIGATION SYSTEM

Geo. N. Barrie, Brookline, Mass.
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SPHAGNUM MOSS

Live Sphagnum moss, orchid pent and
 orchid baskets always on hand. LAGER
 & HURRELL, Summit, N. J.

STANDARD REGISTERING THERMOMETERS

Standard thermo Co., Boston, Mass.

STOVE PLANTS

Orchids—Largest stock in the country—
 Stove plants and Crotons, finest collection.
 JULIUS ROEHRS CO., Rutherford, N. J.

STRAWBERRY PLANTS

Strawberry Plants, twenty varieties, at
 \$2.50 per 1000. Catalogue free. BASIL
 PERRY, Georgetown, Delaware.

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TRITOMAS

Tritoma Pfizgerl, strong crowns. Write
for prices. THOMAS J. OBERLIN, Sinking
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"MATCHLESS" THE "MATCHLESS"**CARNATION.**

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FRAS TREES WANTED.**

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WELL-ROTTED HORSE MANURE.

New York Stable Manure Co., Jersey City,
N. J.

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WANTS, FOR SALE, ETC.

Advertisements in this column
one cent a word. Initials count
as words. Cash with order. All
correspondence addressed "Care
HORTICULTURE" should be sent
to 11 Hamilton Place, Boston.

SITUATIONS WANTED**14 YEARS WITH THORLEY****4 YEARS WITH J. H. SMALL & SONS**

The undersigned desires a position in
Retail Flower Shop. Refers to any retail
or Wholesale house in New York.

W. A. BRIDGEMAN

515 W. 124th Street, New York, N. Y.

FOR SALE**Florists' Attention**

We have on hand ready for shipment all
material necessary for the superstructure
of a MODERN IRON FRAME LUTTON
GREENHOUSE, 42 ft. wide x 150 ft. long.
We will dispose of this material for \$1300.
F. O. B. our Factory. Remember every-
thing is new and strictly first class; just
the same kind of a house that has made
the LUTTON Reputation. We will send
you even the GALVANIZED NAILS,
BOLTS AND SCREWS for assembling the
house. Plans sent on request.

William H. Lutton Company

Jersey City, N. J.

FOR SALE**Four Greenhouses and Office**

Front greenhouse, 100 ft. x 25 ft., and
office. Iron frame throughout, built by
Hitchings & Co., New York. Three green-
houses, boiler house and work shop in rear.
Large greenhouse in the rear, 110 ft. x 26
ft., two greenhouses 20 ft. x 30 ft. Steam
heat. About an acre of land. Situated on
Holtzen Street, Danvers, Mass., on electric
and steam car lines. Only eighteen miles
from Boston. Danvers is a growing town
with a population of 10,000. Population of
200,000 within a radius of ten miles.

Former owner carried on business for
thirty years, established good wholesale
and retail trade. Must be sold to settle
the estate. Apply to

Mr. DAVID S. BROWN, Administrator,
130 Pine Street, Danvers, Mass.

FOR SALE—Thirty-eight years' estab-
lished florist business in city of Hudson.
Only one of its kind in vicinity. Grand
residence; 13 large up-to-date hot houses.
Big money maker all stocked and good
will. Death, cause of sale. Address
THOMAS & HALLENBECK, 207 Union St.,
Hudson, N. Y.

FOR SALE—Fresh from factory, new;
10 x 12, 16 x 18, 16 x 24, double thick. A
and B qualities. Market dropped. Now is
the time to buy and save money. PAR-
SHIELSKY BROS., INC., 215-217 Have-
meyer St., Brooklyn, N. Y.

MISCELLANEOUS

Did you ever see cotton grow? Acquaint
yourself with this wonderful plant—a
beautiful souvenir flower. Package seeds.
10 cents postpaid. MRS. PAUL KAUTZ,
624 W. Meiba St., Dallas, Texas.

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LIQUID — "NICO-FUME" — PAPER

40% Nicotine

8-lb. can	\$10.50
4-lb. can	5.50
1-lb. can	1.50
1/2-lb. can50

288 sheet can	\$7.50
144 sheet can	4.00
24 sheet can .....	.85

NICO-FUME

THRIPS, - APHIS

SPRAYING—VAPORIZING—FUMIGATING

YOUR DEALER HAS THESE PRICES

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Incorporated, Louisville, Ky.

South American Sheep and Goat Manure

simply because our customers call for it more and more and for more and more of it, ever since we put 1000 tons within their reach, less than one year ago. We have just landed the Third 1000 Ton Cargo in New England and it is certainly as good or even better than the last. If South American Goat and Sheep Manure had not come up to the expectations of the growers who bought the first, or if we could not guarantee to furnish the same high grade article, which has built up for itself and for us such a splendid reputation from the very first start, we would never have had to send a ship after another 1000 tons. That's plain. We have an abundant supply for New England and it is our aim to keep this right up to the high standard you know it to be. **OUR SOUTH AMERICAN SHEEP AND GOAT MANURE** is a complete fertilizer, with a high percentage of Potash, Ammonia and Phosphoric Acid in it, (the little "sheepes and goatses" put it there). It is ground fine and is clean to handle, makes an ideal liquid manure, which is safe. **WE GUARANTEE OUR S. A. S. & G. M. TO BE ABSOLUTELY PURE.** Spring is near and plants need feeding. For Roses, Carnations, Lilies, S. A. S. & G. M. will do just what a full meal will do for a hungry man. Write us now—Give us a trial order and you too will come again.



Ferns, Palms, or any other plants, our will do for a hungry man. Write us now—Give us a trial order and you too will come again.

SANDERSON FERTILIZER & CHEMICAL CO. Distributors NEW HAVEN, CONN

LEMON OIL CO'S STANDARD INSECTICIDE

Guaranteed under the Insecticide Act, 1910. Series No. 321. Save your plants and trees. Just the thing for Greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrip, Red Spider, Black and Green Fly, Mites, Ants, Insects on Rose-bushes, Carnations, etc., without injury to plants and without odor. Used according to directions our standard insecticide will prevent ravages on your crops by insects.

Non-poisonous and harmless to user and plants. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pests. Excellent as a wash for dogs and other animals. Relieves mange.

Effective where others fail.

1/2 Pint...25c; Pint...40c; Quart...75c
1/2 Gal., \$1.25; Gal., \$2.00; 5 Gal. Can., \$9
10 Gal. Can., \$17.50

Dilute with water 30 to 50 parts.

For Sale by Seedsmen and Florists' Supply Houses

If you cannot obtain this from your supply house write us direct.

LEMON OIL COMPANY, Dept. K

420 W. Lexington St., Baltimore, Md.

Directions on every package

Cocoanut Fibre Soil WAR

Does not stop the use of Humus. All seedsmen keep it in stock. It is the last word in Fertilizing Humus. Send for Prices.

20th CENTURY PLANT FOOD CO.

27 & 29 OCEAN ST., BEVERLY, MASS.



Unequalled for Greenhouse and Landscape Fertilizing

THE PULVERIZED MANURE CO.

31 Union Stock Yards, Chicago

Aetna Brand Tankage Fertilizer

Is the best balanced Fertilizer on the market, and is giving satisfactory results wherever used.

Farmers and Florists Fertilizer Company

809 Exchange Ave., Room 5, U. S. Yards,

CHICAGO, ILL.

Telephone—Drover 1932.

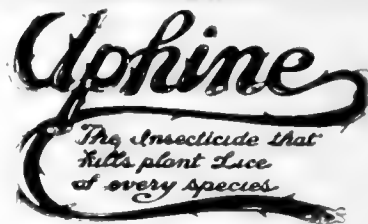
Plantlife Insecticide

A tobacco preparation used by the best growers for dusting and spraying.

Write for book of testimonials and prices.

THE PLANTLIFE CO.

251 East 66th St., New York, N.Y.



The Recognized Standard Insecticide.

A spray remedy for green, black, white fly, red spider, thrips, mealy bug and soft scale.
Quart, \$1.00; Gallon, \$2.50.

FUNCINE

An infallible spray remedy for rose mildew, carnation and chrysanthemum rust.
Quart, 75c; Gallon, \$2.00.

VERMINE

A soil sterilizer for cut, eel, wire and angle worms.

Quart, \$1.00; Gallon, \$3.00.

SCALINE

A scaleicide and fungicide combined for San Jose and various scale on trees and hardy stock, and various blights which affect them.

Quart, 75c; Gallon, \$1.50.

NIKOTIANA

A 1% nicotine solution properly diluted for fumigating or vaporizing.

Quart, \$1.50; Gallon, \$4.50.

If you cannot obtain our products from your local dealer, send us your order and we will ship immediately through our nearest agent.

Aphine Manufacturing Co.

MADISON, N. J.

GEO. A. BURNISTON

President

M. C. EBEL

Treasurer

SCOTCH SOOT

Where there is a house that is just full of buds almost ready to show color, nothing will turn better color into the flowers than a little soot, that can be scattered over the benches before watering. The amount applied should not be excessive, as the soot is very strong and may damage some of the foliage somewhat. Apply just enough to blacken the surface of the soil in the benches, and let it go at that. Better a little oftener than too much all at once.

We offer the genuine in original cwt. Sacks, at:

\$4.00 per 112 lbs.; \$17.50 per 560 lbs.

Stumpp & Walter Co.

30-32 Barclay Street, NEW YORK

When writing to advertisers kindly mention HORTICULTURE.

PUBLICATIONS RECEIVED.

Schedule of Premiums offered by the Worcester County (Mass.) Horticultural Society for 1915.

Massachusetts Horticultural Society, Boston.—Schedule of Prizes, Rules, etc., for the Exhibitions of 1915.

"Corn is King in South Dakota."—A publicity booklet issued by the South Dakota Bureau of Immigration, Pierre, S. D. "A plain official story of the state's resources and opportunities."

Daniel B. Long, Buffalo, sends us a sample of his newest album of floral design illustrations for florists' use. This is an excellent thing for the retail florist to have constantly at hand to indicate to customers the various styles of flower pieces and prices of same, and after being used a little while becomes almost indispensable. Mr. Long has been working on this and similar specialties for many years and has introduced from time to time many desirable and helpful features.

The Thirteenth Annual Report of the Commissioners of the State Reservation at Niagara. We are indebted to Superintendent Harry K. Eckert for a copy of this interesting pamphlet showing the good work which has been accomplished in the elimination of the many eyesores that once defaced the scenery about Niagara and the progress of restoration of original natural conditions and landscape. There are fourteen full-page views. We have also received a history in detail of the State Reservation at Niagara by Charles M. Dow. This is a 200-page book of much historical interest.

BROWN ANTS.

Editor of HORTICULTURE:
Dear Sir.—Will you please ask any of your kind readers of HORTICULTURE if they know of any remedy for eradicating the small brown ants? For the past year they have been very troublesome to me.

Yours truly,

W. D.

If you are troubled with ants outdoors they can be eradicated by means of carbon bisulphide poured into holes six inches deep and a foot apart, the holes being immediately filled up. A very good remedy for ants in the greenhouse is a mixture of Paris green and sugar, adding just enough of the poison to white granulated sugar to turn it a light green color. This should be dusted lightly among the pots on and under the benches. Be careful not to put any into the pots or on a bench containing soil, as the Paris green is liable to damage the plants.

NEWS NOTES.

Delavan, Wis.—The Phoenix Nursery & Floral Co. have purchased the business of Joseph Wright.

Centerville, Ind.—Fred Davis has purchased the business of the E. Y. Teas Company, florists and nurserymen.

Berlin.—A decree prohibiting the export of potash salts and the manufacture thereof is published in the Reichs Anzeiger.

Prof. J. F. Cowell, of the Buffalo Botanical Garden, started for Porto Rico on January 30.

POTASH

**is food for thought
as well as for crops
this year.**

When shipments were interrupted by the war, it was estimated that there was enough Potash on hand in the United States to provide two and three per cent Potash in mixed fertilizers for this spring's trade. Some manufacturers had more than enough for these percentages.

Since then minor sources of Potash have been fully utilized, and additional shipments from the usual source have been and are still being received.

The supply is below normal, but this need not prevent farmers securing some Potash in their fertilizers, nor should it lead farmers to decide not to use fertilizers.

There is no reason to return to the out-of-date goods without Potash, although some authorities may try to "wish" them on us.

We have not used enough Potash in the past. The largest annual import of Potash was only one-seventieth of the Potash taken from the soil by our 1914 corn crop and only one-fifteenth of the Potash lost every year in drainage water.

Spring crops use from two to ten times as much Potash as Phosphoric Acid. Get as much Potash in the fertilizer as possible. A few firms are offering to furnish from four to ten per cent.

There is no substitute for Potash. It may be harder to get just now, but **POTASH PAYS.**

GERMAN KALI WORKS, Inc., 42 Broadway, New York
Chicago, McCormick Block San Francisco, 25 California St.
Atlanta, Empire Bldg. Savannah, Bank & Trust Bldg.
New Orleans, Whitney Central Bank Bldg.

YOU ARE SURE of GOOD RESULTS
If You Use
DIAMOND BRAND COMPOST

WELL-ROTTED HORSE MANURE
Dried—Ground—Odorless

For mulching it cannot be equaled as it is nutritious, immediate, and convenient to handle. Always ready for mixing with soil for potted plants and soil for benches. Largely HUMUS, rich in plant foods and positively free from weed seeds. It also makes a rich liquid manure. Write for Circular "8" and prices.

NEW YORK STABLE MANURE CO
273 WASHINGTON STREET. JERSEY CITY, N. J.



NIKOTEEN For Spraying
APHIS PUNK For Fumigating
ASK YOUR DEALER FOR IT.
NICOTINE MFG. CO. ST. LOUIS, MO.

Est. 1765

FOR "POT LUCK" USE

Inc. 1904

Pot Makers for a
Century and a Half**HEWS STANDARD POTS**World's Largest
Manufacturers

AND RED EARTHENWARE SPECIALTIES

Write for Catalogue
and Discounts**A. H. HEWS & CO., Inc., Cambridge, Mass.**Warehouses:
CAMBRIDGE, MASS.
NEW YORK, N. Y.**DREER'S "Riverton Special" Plant Tub**

No.	Diam.	Ha.	Doz.	100
10	20 in.	\$1.45	\$16.00	\$130.00
20	18 in.	1.30	14.00	115.00
30	16 in.	1.00	11.25	92.00
40	14 in.	.85	7.00	56.00
50	12 in.	.45	5.00	40.00
60	10 in.	.38	4.00	32.00
70	8 in.	.30	3.50	28.00

Manufactured for us exclusively. The best tub ever introduced. The neatest, lightest and cheapest. Painted green, with electric welded hoops. The four largest sizes have drop handles.

HENRY A. DREER, Seeds, Plants, Bulbs, and Supplies, 714 Chestnut Street, Philadelphia, Pa.

BUSINESS TROUBLES.

Providence, R. I.—J. Henry A. Griffith has been elected trustee of the Everett Forestry Company, Inc., which recently filed a voluntary petition in bankruptcy in the United States District Court at Providence. A petition to sell the assets of the concern has been granted by the creditors. The schedule gives the liabilities as \$15,650.06, and the assets, \$1,407.79.

S. A. G.

Washington, D. C.—Following the recent filing of a petition by the creditors of the Washington Florists' Company in the District Supreme Court, it has filed a schedule of its assets and liabilities showing assets \$8,551.80; liabilities, J. Louis Loose, \$39,000 due upon the principal of one hundred bonds of the company and \$7,454 interest; T. F. Burroughs Sons, Alexandria, Va., \$49.86; W. A. Smoot & Co., Inc., Alexandria, \$186.63; P. T. Van der Supt, Ghent, Belgium, \$168.85; Thomas Somerville Company, Washington, \$5.97; Leo Niessen Company, Washington, \$36.95; Pen-nock-Meehan Company, Washington, \$75.80; A. Schumacher, Washington, \$8.50; Fred H. Kramer, Washington, \$24.55; O'Sullivan & Company, Alexandria, \$36.11. The schedule of liabilities further reads as follows: "Gude Bros. Co. (the amount of this claim is in dispute, the creditor claiming the same to be \$172.36 and the bankrupt claiming \$132.36 as the amount due), \$136.72. Promissory note negotiated by the bankrupt of which George C. Shaffer is the maker and The Florists' Exchange and Leo Niessen are endorsers. The said note will be paid by the makers or endorsers, \$125. Said note is held by Story & Cobb."

KING

The name that assures "the most for the money" in

GREENHOUSES

Write for Bulletin No. 47
and you will see why.

KING CONSTRUCTION CO.

28 King's Road, N. Tonawanda, N.Y.

**1000 READY PACKED CRATES
STANDARD FLOWER POTS AND BULB PANS**

can be shipped at an hour's notice. Price per crate:

2009 1 1/4 in.	@ \$6.00	500 4 in.	@ \$4.50
1500 2 "	" 4.88	456 4 1/2 "	" 5.24
1500 2 1/4 "	" 5.25	320 5 "	" 4.51
1500 2 1/2 "	" 6.00	210 5 1/2 "	" 3.78
1000 3 "	" 5.00	144 6 "	" 3.16
800 3 1/2 "	" 5.80	120 7 "	" 4.20
		60 8 "	" 3.00

HILFINGER BROS., Pottery, Fort Edward, N.Y.

August Rolker & Sons, 51 Barclay St., N. Y. City, Agents
OUR SPECIALTY—Long Distance and TradeExport

**GREENHOUSES BUILDING OR CON-
TEMPLATED.**

McKeesport, Pa.—Edward Frederick, additions.

Central Valley, N. Y.—Sprague & Walling, one house.

Johnsville, Pa.—James Moss, two houses, each 21x150.

Buffalo, N. Y.—A. C. Paddon, Englewood Ave., one house.

Hutchinson, Kan.—N. T. Barrett, First Ave., East, one house.

Lowell, Mass.—John S. Hayes Estate, 1328 Gorham St., house 31x79.

We are informed by the Sanderson Fertilizer & Chemical Company that the sheep and goat manure which they are advertising in this paper comes from a rainless section of the mountainous country of Venezuela where the animals have to be corralled nights for safety but are never fed or "bedded," so must be a perfectly pure animal excretion of digested food. They are receiving hearty commendations from those growers who have used this product.

TRADE

**SKINNER
SYSTEM**

OF IRRIGATION.

MARK

for Farm, Garden,
Lawn and Greenhouse

Ask for Information

GEO. N. BARRIE
BROOKLINE, - - MASS.

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Saves time and insures better service.
Personal attention guaranteed.
Thirty years active service.

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PATENT LAWYERS

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A man's mail will reach him where no mortal can

Mailing Lists 99%
Guaranteed

covering all classes of business, professions,
trades or individuals. Send for our com-
plete catalogue showing national count on
7,000 classifications.

Ross-Gould 564 N. 9th St. **St. Louis**

The best **PAPER
POT** for shipping
purposes. Sizes from
2 in. to 6 in.

Ask your dealer for
them. Samples free.

E. ALLAN PEIRCE.
401 Oaks St.,
Waltham, Mass.

**STANDARD FLOWER
POTS**

If your greenhouses are within 500 miles
of the Capitol, write us, we can save
you money.

W. H. ERNEST

28th & M Sts. Washington, D. C.

*"It's all in the wheel"***Red Devil Glass Cutter**
No. 024

A very popular tool that cuts glass
with precision. Sample sent postpaid
for 3 two-cent stamps. Booklet on re-
quest.

SMITH & HEMENWAY CO.

181 Chambers St., New York City.

NOW SEND US THAT INQUIRY ON

Greenhouse Construction and Heating Material

Hot Bed Sash Pecky Cypress Celery Boards
Knock Down Plant Boxes

PROMPT SHIPMENTS

THE FOLEY GREENHOUSE MFG. CO.

3275 West 31st Street, - - - - - CHICAGO, ILL.

Stearns Cypress Greenhouses

Pecky Cypress Bench Stock

ASK FOR CIRCULAR D

THE A. T. STEARNS LUMBER COMPANY

BOSTON, MASS.

SHARP, PARTRIDGE & CO.

Are Leaders in

GREENHOUSE GLASS

OUR PRICES WILL PROVE THIS.

CHICAGO, ILL.

IF YOU ONLY
KNEW what a
good save the
METROPOLITAN PATENT-

ED is, you would
use no other. It
is made of cast
iron and will not
rust. That part
of your green-
house which in
other construc-
tions is the weak-
est becomes the
strongest. Not
this alone, it is
ice-clearing and
carries all the
water of con-
densation from the inside, and it is so
constructed that almost the entire end
of the bar is exposed to the air, there-
by preventing decay. Only one screw,
about two inches from the end, is all
that is necessary to secure the bars.
For side stationary glass, wood headers
are absolutely unnecessary, thereby
causing no shade. Zinc glass stops are
not necessary—the gave is made with
a lug to prevent the glass from slip-
ping. Let your next house be built
with a Metropolitan Patented Iron Wall
Construction. You will never regret it.
Our price and service are right.

METROPOLITAN MATERIAL CO.

Patented Greenhouses—Heating Engineers
Hotbed Sash, Glass, etc.

1392-1414 Metropolitan Ave., BROOKLYN, N. Y.

GLASS

Greenhouse Material
Hot Bed Sashes

Our prices can be had by mail, and
it will pay you to get them. We carry
the largest stock of Specially Selected
Glass in Greater New York and can
supply any quantity from a box to a
car load on a one day notice, and at
Rock Bottom Prices.

PARSHELSKY BROS. Inc.
215-217 Havemeyer St., Brooklyn, N. Y.

Dreer's Peerless Glazing Points For Greenhouses

Drive easy and true, because
both bevels are on the same
side. Can't twist and break
the glass in driving. Galvan-
ized and will not rust. No
rights or lefts.
The Peerless Glazing Point
is patented. Note the like-
it. Order from your dealer
or direct from us.

1000, 75c. postpaid.
Samples free.
HENRY A. DREER,
714 Chestnut Street,
Philadelphia.

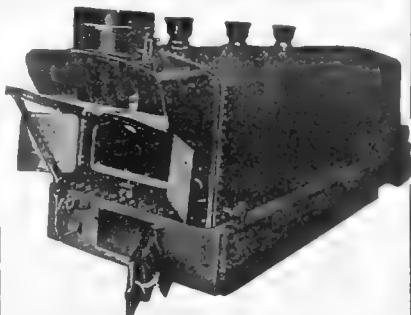
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Quaker City Machine Co.
TO
THE JOHN A. EVANS CO.
Richmond, Ind.

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466 W. Erie St., Chicago, Ill.



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new houses; if so, why
not get in touch with
our concern? We have
absolutely the best Ven-
tilating Apparatus and
Greenhouse Fittings on
the market.

Write Us Today

ADVANCE CO.

Richmond, - - Ind.

SECOND HAND PIPE

Guaranteed capable of pressures neces-
sary for irrigation. Newly threaded
and coupled.

Special LOW PRICES for

WINTER DELIVERY

Largest dealers in all sizes of Second
Hand Storage and Pressure Tanks,
Boilers, etc.

We are Agents for
THE SKINNER SYSTEM

THE PERRY, BUXTON, DOANE CO.

200 West First St., So. Boston, Mass.

MASTICA



USE IT NOW!

F. O. PIERCE CO.
12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of
expansion and contraction. Putty becomes
hard and brittle. Broken glass more easily
removed without breaking of other glass
as occurs with hard putty. Lasts longer
than putty. Easy to apply.

**THE FLORISTS' HAIL ASSOCIATION OF
AMERICA**, insurer of 39,000,000 sq. ft. of glass

For particulars address

John G. Esler, Sec'y Saddle River, N. J.



If Ever There Was a Good Time To Build a Greenhouse, That Time Is Now

The first of these is the fact that the majority of the population of the United States is now living in urban areas. This is a result of the process of urbanization, which has been going on since the beginning of the 20th century. The second factor is the fact that the majority of the population of the United States is now living in the South and West. This is a result of the process of migration, which has been going on since the beginning of the 20th century. The third factor is the fact that the majority of the population of the United States is now living in the middle class. This is a result of the process of social mobility, which has been going on since the beginning of the 20th century.

[illegible][illegible]

which is very unwise to make prices higher.

Hitchings and Company

General Offices and Factory—Elizabeth, N. J.
NEW YORK BOSTON PHILADELPHIA
1170 Broadway 48 Federal St. 740 S. 15th St.

66000 1171-VR, 000000

Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains. The concentration of the *Agrobacterium* suspension was 10⁶ cells/ml (A), 10⁷ cells/ml (B), 10⁸ cells/ml (C), and 10⁹ cells/ml (D). The transformation efficiency was determined by the number of transformants per 10⁶ cells of *Agrobacterium* suspension. The data are the mean \pm SD of three independent experiments.

to the fact that the "new" action will be taken by the "old" men, and the wisdom of that is being brought to the fore.

It is a pity that, in 10 years, there is going to be big bad work. Nothing can stop it. Fortunes are going to be made. The men who find let in on the ground floor are going to first see their share of this prosperity.

No other man's share will be as soon as possible. Contracted for it before prices go higher.

Don't think business is just food for your slice of Jamie Fortner's favorite. Send for our commercial catalog with the new pages, telling it about our two year old Heeneconstructed Construction. It's our offices spaced 12 feet, 1 1/2 inches apart, instead of 5 feet 4 inches. Remember, we go anywhere for business.

The first in a series of three letters and articles on the subject of the "new" party was published in the *Washington Post* on May 1, 1968. The article was titled "The New Party: A New Party for the New Party." It was a critical analysis of the party's platform and its chances of success in the 1968 election.

Vol. XXI
No. 7
FEB. 13
1915

HORTICULTURE



Anthemis tinctoria pallida

Published Every Saturday at 147 Summer Street, Boston, Mass.
Subscription, \$1.00.

Dreer's Select Fancy-Leaved Caladiums Tuberous Rooted Begonias and Gloxinias

We have not made a mistake in pots of the dissemination of these plants in the world. We can offer the strains of Tuberous Rooted Begonias and Gloxinias that we have been supplying the trade since 1870. They grow for more than a quarter of a century and without any advance in price.

YOU MAY BUY CHEAPER, BUT NOT BETTER STOCK

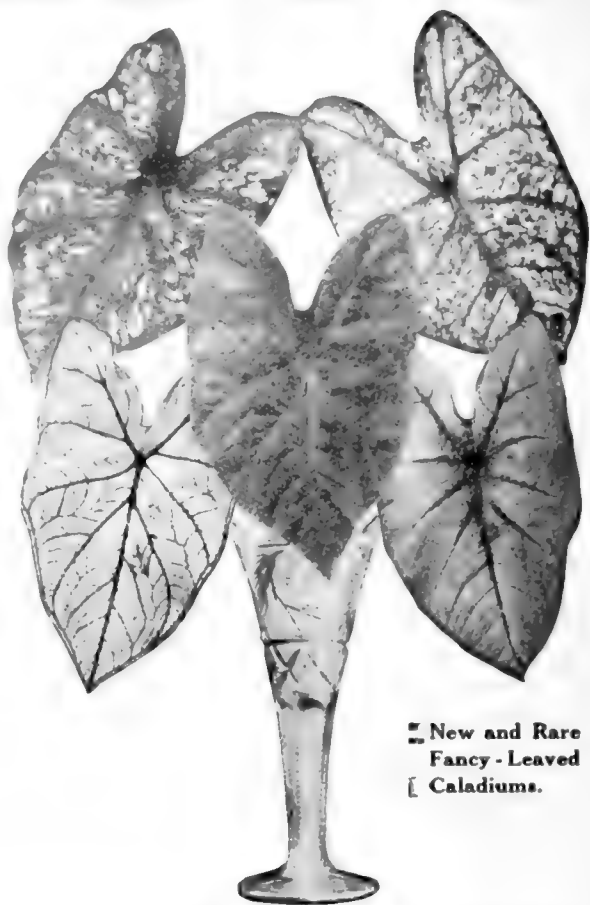
TUBEROUS ROOTED BEGONIAS.			
Single Varieties, to Color, Scarlet, Crimson	Doz.	100	1000
White, Rose, Yellow, Orange, etc.	\$0.40	\$2.50	\$22.50
Single Varieties in Choice Mixture, etc.	.75	2.25	20.00
Double Varieties, to Color, Scarlet, Rose,	Doz.	100	1000
White, Yellow, etc.	.60	4.50	40.00
Double Varieties in Choice Mixture, etc.	.50	4.00	35.00
Double Fringed Varieties, New, White, Scarlet and Rose, etc.	1.50	10.00	90.00
Single Frilled Varieties, Scarlet, White, Pink and Yellow, etc.	.85	6.00	50.00
Begonia Zappellii, etc.	1.25	8.00	70.00
Begonia Lafayette, etc.	1.50	10.00	
GLOXINIAS. Blue, Red, White, Blue with White Edge, Red with White Edge, or			
Finest Mixed, etc.	.60	3.50	30.00
Gloxinia, New Emperor Varieties, Hybrid Imperialis, Choice Mixed, etc.	.85	6.00	50.00
FANCY-LEAVED CALADIUMS. An immense stock of the choicest varieties:			
Fine Standard Varieties, etc.	1.75	12.00	100.00
Rare and New Varieties, etc.	2.25	15.00	140.00
Rare and New Varieties, etc.	3.50	25.00	
Choice Mixed Varieties, etc.	1.50	10.00	90.00

The above prices are intended for the trade only.

For full line of Seasonable Plants, Bulbs, Seeds, etc., see our current Wholesale Price List

HENRY A. DREER

714-716 Chestnut St., Philadelphia, Pa.



■ New and Rare
Fancy-Leaved
Caladiums.

Direct Importations FALL and SPRING SHIPMENTS

VALLEY PIPS, best Berlin and Hamburg grades.
AZALEAS, PALMS, BAYS, ETC., from Belgium.
BOXWOODS, ROSES, ETC., from Boskoop, Holland.
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HORTICULTURE

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Horticultural advancement

The Board of the University of Illinois contains an appropriation of \$68,000 for the extension of the glass houses. This is not something that the florists of the State have made any appeal for but is wholly voluntary on the part of the authorities, which although

not yet endorsed by the powers that be, indicates a most commendable public sentiment and is very gratifying to the horticultural interests. We look to see this recognition of the esthetic side of horticulture grow steadily and extend to sections where heretofore it has secured but scant attention from State authorities or institutions.

A praiseworthy proposition

There appears no good reason why the New York Florists' Club should not possess a substantial building and permanent home for the organization. Its character and standing as an institution of dignity and usefulness has been firmly established in the more than quarter century of its existence. Its membership, now approaching the five hundred mark, is distinctively strong in men of wide business repute and financial stability, in this respect far exceeding any similar organization in this country. Its ability to secure and fit up a building which shall be a credit to the great and growing industry which it represents is beyond question. As a leader and as possessing every facility and opportunity the New York organization carries a peculiar responsibility, amounting almost to a duty, in regard to its sister clubs everywhere, to set an example of stability and progress which shall furnish inspiration and incentive for wise policies which involve something more substantial and far-reaching than a mere existence from year to year. The possibilities in a property investment in New York City, such as is now contemplated, have long been recognized but it has remained until now for the sentiment to take practical form. We hope to see it carried out to a successful finish.

"The 100 p. c. crop and 35 p. c. dollar"

Instruct our colleges and experiment stations to work on the selling end for a while, and give the producing end a rest, as that has been worked overtime.
 New York. GRANT G. HITCHINGS.

Mr. Hitchings is referring to the new apple law in New York. It will probably be admitted by all that any man who will, can have the latest advice about spraying, cultivating and fertilizing promptly put before him. The producing end has been "worked overtime" because a good share of that time should have been devoted to the marketing problem. Ask any farmer today what he needs most—information about producing or how to sell his goods to better advantage. The 100 per cent. crop and the 35-cent dollar are mighty poor companions.

We clip the foregoing from *The Rural New-Yorker*. Substitute the word flowers for apples and "florist" for "farmer" and the application to present conditions and tendencies in the florists' business is pertinent and complete. The situation in the cut flower business is, of course, much less perplexing just now than it has been and will be again before long, but the few weeks of respite from clogged wholesale markets and attendant evils, welcome as they are, are only a temporary relief. The National Farmers' Union, which is making a special study of marketing products, says that "The economic distribution of farm products is today the world's greatest problem." In a lesser volume but, in its way, an equal degree the marketing of flowers and plants is the greatest present question before the florist trade. As *HORTICULTURE* has repeatedly urged, it is time to quit fussing over the situation from narrow viewpoints and get busy with the problem which confronts the trade in a broad-gauge, comprehensive way. It will occupy all the best brain in the business before we get through with it.

ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur Ruzicka

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communication should invariably be addressed to the office of HORTICULTURE.

Repotting

As soon as the plants in the small pots become rooted, they should be shifted to the next size, or three-inch, at this time. The reason for this is that the space is too scarce or too valuable to shift the plants into pots that are larger, or 4-inch, as we do later on. Do not let the plants get pot bound, as this would be a serious matter with the young stock at this stage, although it is well to allow them to become well rooted. They should not be allowed to suffer, however, and as soon as the roots work around in the soil so that they show any sign of crowding, they should be shifted into larger pots as stated above. The pots should be clean and crooked, as the plants will remain in these longer than in the smaller pots. See that the bench that they are set on is well covered with fine ashes, and that the pots are all set straight in nice rows. This does not cost any more, and it certainly makes the finished work look much nicer. It will also be a help in keeping track of all plants, making it easy to count them. The soil for this potting can be heavier, and, if the plants are well rooted, as heavy as it comes. It should be porous, containing a sufficient amount of humus, and should be enriched with a little bonemeal, say a pot full (4") for each wheelbarrow of soil. About half this amount of soot for the same amount of soil will do the plants a great deal of good. Do not use more than this, however, as the mixture of the two would prove harmful to the roots.

Blackspot

Watch for this disease on all the young stock, and try to keep the old plants clear of it. Should you think there is the slightest danger, then spray with the ammoniacal copper carbonate mixture. This is by no means a cure, but will be a great help in keeping the spot from spreading. Avoid watering the plants in the afternoon, especially when they will not dry off well before night. The same with syringing. As soon as the houses are warm enough in the morning, syringe all the plants that are to be done, thus giving them a chance to dry off well before night. In blowing lime, do not blow it among the young plants, as this would discolor the foliage a good deal, and would do little good. Blow the lime into the air above the walks. This will fill the air of the whole house with the fine dust, which will circulate all through, and when it settles it will bring a lot of the moisture with it. Once in a while a big black spot will be found here and there. These should be picked off as soon as they are found, for the disease is liable to spread from these when the plants are syringed.

Scraping the Top of the Soil in Pots

As soon as there are any traces of green scum, the plants should be given a cleaning, using an old knife

or piece of old iron for this work. In scraping the scum off the surface of the soil, care should be taken not to go down into the soil too much, to disturb the little roots that may be working around the top of the pot. Leave the surface roughened, so that the soil will not be so apt to turn green again in a very short time. This scraping will do the plants a good deal of good, and will make them dry out better as well. With the dark weather that we have had, this item alone should be worth the cost of doing the work.

Liquid Manure

The days are already noticeably longer, and with more sun that we hope to get from now on, it will be safe to allow the plants a little more liquid manure. This should be made of good cow manure if it is possible to secure this, and if not, then a good substitute will have to be used. Places that are furnished with two lines of pipe, one for clear water and one for liquid manure, will be easier to handle than the places where only one line is in use. It seems like a good big expense at first to put pipes in, but once they are installed there are few men who would go back to the old way. The time to put them in is when the houses are being built as they can be put in much cheaper at this time than after the whole house is in use, and you have to crawl through all kinds of holes to get the pipes into the trenches. In using the liquid manure be careful not to have the plants too dry, or it will damage the roots. If the plants are inclined to be dry at all, better go over them with clear water at first.

Anthemis

In general appearance plain and simple, in regard to culture and soil unpretending and, last but not least, in bloom from June until nearly frost; these are the chief attributes of the hardy anthemis. It is the simplicity of the marguerite which appeals to us; graceful flowers of golden and canary yellow, or of creamy white, borne on long wiry stems attract our attention by their abundance. The aromatic scent of the finely-cut foliage represents another characteristic feature of the bushy erect-growing types of this hardy perennial. Particularly the long flowering period of the species *Anthemis tinctoria* as well as its fine leaved form *A. Kelwayi* proves of advantage. For this reason we have been employing them rather freely in our mixed borders. Equally satisfactory effects can be obtained by using the light sulphur-yellow variety *A. tinctoria pallida*, shown by this week's cover illustration. The flowers of all the above mentioned hardy marguerites are acceptable for filling vases.

As strikingly handsome subjects for the rock garden we cannot overlook the low-growing mountain-species. Best known in this class is undoubtedly *Anthemis Aizoon*, syn. *Achillea ageratifolia*, a creeping form with silvery-white foliage and white flowers. *A. Bibersteiniana* and *A. argrophylla*, similar in growth to the former, bloom yellow. *Anthemis cinerea*, the largest flowering low species and *A. montana*, syn. *Santolina alpina*, produce white daisy-like blossoms.

All the hardy marguerites prefer a high sunny location thriving best in a rather sandy but well drained soil. They require the customary covering in winter. Plants may be raised from seed, or propagated by cuttings, or division.

Wm. S. P. R. *Richard Rolfe*

CLUBS AND SOCIETIES

PITTSBURGH FLORISTS' AND GARDENERS' CLUB.

The 10th meeting of February 2nd was held in the big English room of the Fort Pitt Hotel with a large attendance of members.

The election of officers for the year 1915 resulted in the retention without change of the officers for 1914, viz:

Pres. and Sec. McQuinn; Vice-president, E. C. Roper; Treasurer, J. P. Langhans; Secretary, H. P. Joslin; Assistant Secretary, W. A. Cooke.

Executive Council: H. P. S. Randolph, C. H. Sanger, A. L. H. Ke.

There was a remarkably fine exhibit of roses from the E. G. Hill Co. of Richmond, Ind., and of blooming begonias from J. A. Peterson & Sons, Cincinnati, together with a number of exhibits from home growers, all of which are mentioned in detail by the judging committee as follows:

Rose Hesse, Beauty, E. G. Hill Co. A magnificent rose with long, stiff stems and crimson scented flowers. The rose decidedly the best of the year, and has been unanimously elected with an excellent record of good judging. The following qualities, first class certificate.

Rose Lady Anne Stanley, E. G. Hill Co. A bright, Maryland pink rose, full heads, fine foliage. Good stems. Truly commendable.

Rose Ophele, E. G. Hill Co. A very lovely English pink rose. One of the best and most perfect roses ever exhibited by our florists. It has been widely tried, and the behavior has been excellent. The specimens submitted for our consideration are superb; highly commended.

Begonia Mrs. J. A. Peterson (J. A. Peterson & Sons). A very deep red, splendidly flowered and promising variety as one of the best of the type. As a Christmas begonia it surpasses everything else in the way of this class of begonias. First class certificate.

Begonia Melior (Peterson). One of the finest of all the pink begonias. Superior to Cincinnati, and has given great satisfaction wherever grown; highly commended.

Begonia Glory of Cincinnati (Peterson). Very finely growing small plants; exceedingly free-flowering; highly commended.

Cyclamen persicum giganteum (Peterson). A fine white flowered specimen; cultural certificate.

Coezyne cristata (Pittsburgh Cut Flower Co.). Finely flowered specimen; cultural certificate.

Dendrobium neone (Walter James). Two finely flowered plants in 4 in. pots; cultural certificate.

Primula malacoides (T. Tyler). Primula malacoides in good bloom, and showing double flowers.

Messrs. Langhans and Burke, who were present at the Carnation Convention in Buffalo spoke warmly of the business-like character of the convention and the successful manner in which all business was handled. The decoration of the banquet hall in which carnations were the only flowers used, was spoken of as artistic and beautiful, and attention was called in particular to the keeping qualities of the carnations exhibited as being in advance of former years. It was felt that breeders should work toward fragrance and keeping qualities in carnations in order to keep the flower in its place in the estimation of the public.

In the course of the discussion on carnations it was brought out that Yellow Prince was the best of the yellows, and that it brought top-notch prices in the Chicago market, although this might be owing in part to the small quantity of yellow carnations grown.

Emil Kratt of the Standard Chemical Co. of Pittsburgh then gave a talk on Radium, and especially the influence of radio-active earth in plant growth and crop production. Radium is not a plant food. Its effect seems to be on the order of time in bringing about conditions in the soil in making the plant food therein more available for plant use. It is evident that the experimentation with radio-active earth is only in its infancy, but enough has been demonstrated to attract universal interest, and to cause the liveliest attention from all interested in horticulture.

Profs. Garner and Rose of the University of Pittsburgh were present and promised to have something of great interest to bring before the club at the April meeting.

H. P. JOSLIN, Secretary.

ILLINOIS STATE FLORISTS' ASSOCIATION.

Our Tenth Annual Convention takes place in the Floricultural Building on the University grounds, at Urbana, Ill., March 2-3. You are cordially invited to attend, and bring a few flowers with you, to help, as usual, in making the exhibition feature a grand success. Express shipments should be sent prepaid, care of 100 Floricultural Building, Urbana, Illinois.

Following is the programme:

Opening Session: Tuesday, March 2, 2 o'clock.

Welcome: Dr. E. Davenport, Dean of College of Agriculture. President's Address: H. E. Smith, Danville, Ill. Report of Secretary: J. T. Annemann, Edwardsville, Ill. Report of Treasurer: F. L. Washburn, Bloomington. Report of Advisory Committee: W. N. Rudd, Morgan Park, Ill. Report on Fertilizer Work: F. W. Muncie, Urbana, Ill. Report on Pathological Work: G. L. Peltier, Urbana, Ill. Unfinished Business: New Business. General Discussion: Nomination and Election of Officers; Adjournment.

After the meeting the greenhouses will be open for inspection. The research and instruction staff will be on duty and will be pleased to answer all questions.

Snoker: A snoker will be held at 8 P. M. Secure tickets at the secretary's desk.

Welcome: Prof. J. C. Blair, Head of the Department of Horticulture. "What the Division of Floriculture is Trying to Do," H. B. Dörner, Assistant Professor of Floriculture. "Landscape Gardening," R. R. Root, Assistant Professor of Landscape Gardening.

Wednesday, March 3: The day will be spent in an inspection of the greenhouses and other University buildings.

J. F. AMMANN, Sec'y.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

President Patrick Welch has appointed J. G. Esler, Saddle River, N. J., State Vice President of New Jersey in place of Joseph A. Manda, who declined the appointment.

JOHN YOUNG, Sec'y.

Feb. 6, 1915.

A desire having been expressed by several members for a modification of the rules to govern the membership prize contest, a new set of rules has been prepared by President Welch and same will shortly be published.

MASSACHUSETTS HORTICULTURAL SOCIETY.

Mid-Winter Exhibition.

The mid-winter exhibition at Horticultural Hall, Boston, on Saturday and Sunday, February 6 and 7, was a very brilliant and pleasing show, particularly notable in carnations, orchids, primroses and Lorraine begonias. Prizes were awarded in the plant classes to Mrs. J. L. Gardner, W. W. Edgar Co., Mrs. Frederick Ayer, Wm. Whitman, Weld Garden, J. T. Butterworth, E. S. Draper, Miss Cornelia Warren and others. The carnation princes of New England, S. J. Goddard, A. A. Pembroke, Strout's, Patten & Co. and John A. Nelson sat down on the prizes in that section in short order and Esty Bros. and Wm. Sim did the same with the violet prizes. A. Roper won a silver medal with Alice Coombs and Patten & Co. got honorable mention for Sunbeam carnation. Certificates of merit were given to Mrs. J. L. Gardner for Jasminum primulinum and Weld Gardens for Cymbidium seedling (C. insigne x C. Wiganianum. N. T. Kidder received honorable mention for seedling amaryllis. The fruit and vegetable displays were very creditable.

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The next regular meeting of the Gardeners' and Florists' Club of Boston will be held at Horticultural Hall, Boston, on Tuesday evening, Feb. 16, 1915, at 8 P. M. It will be Carnation and Novelty Night, and the display of flowers promises to be one of the finest in the club's history. There will be short practical talks on various phases of carnation culture by several specialists. Practically all the novelties being introduced this season, and new additional seedlings, will be on exhibition, and the meeting promises to be one of the most important yet held.

The annual club banquet will be held at the New American House March 10. Tickets will be on sale at the next Club meeting and may be had on application to any of the Club's officers or executive committee.

WM. N. CRAIG, Sec'y.

ALBANY FLORIST CLUB.

The monthly meeting of the Albany Florist Club was held at the Albany Cut Flower Exchange on Thursday evening, Feb. 4, about 60 members present. A long discussion took place on the flower show to be given in the Albany Historical & Art Society Hall. The date has not been decided upon as yet, but there was some talk of having it between Nov. 11 and Nov. 20. F. A. Danker reported as chairman of the committee that the Historical & Art Society would give the hall free of charge and spoke of having a competitive flower show as usual with prizes for the best exhibits. E. P. Tracey advocated doing away with competition, his idea being to have each florist take a section of this beautiful hall and decorate it to

A. A. PEMBROKE

We wanted to see the man who captured the Carnation Convention, for that is practically what Aubrey A. Pembroke of North Beverly, Mass., did. So this week we visited the carnation factory where Mr. Pembroke turns out the blooms that took thirteen firsts and eight seconds on twenty-two entries at Buffalo.

A. A. Pembroke is a quiet and unassuming man and it was rather difficult to make him talk about himself, although he was quite willing and ready to tell what he knew about the culture of carnations. Five years ago he was a private gardener who had come from England about four years before. In 1909 he rented two small houses near his present range, possessing very little capital and he frankly confessed that the first year almost made him quit, as everything seemed to go wrong. But the second year found him still at it and since then Mr. Pembroke has been very successful. He only has two houses, but 15,000 to 20,000 carnations are cut each week, which invariably secure top-notch prices. The house we saw was a Lord & Burnham structure 60 feet by 450 feet.

In Mr. Pembroke's opinion Matchless is the best variety he has ever grown and the most promising of the newest carnations still not fully tested is one of the seedlings originated by A. Roper of Tewksbury, Mass. During the last two years this carnation wizard has put up ninety vases at various shows and has won eighty-



AUBREY A. PEMBROKE

six prizes, about \$600 in prize money, and scores of certificates and medals.

Mr. Pembroke grows all the latest varieties and they all seemed to be in splendid condition. We noted a splendid crop of Rosette, Matchless and Gorgeous, most of the blooms on stems four and one-half feet tall. Most of the stock is grown in the field in the summer, although Mr. Pembroke

Show at Grand Central Palace next month.

The committee on proposed permanent club house reported favorably through its chairman C. H. Totty. It was stated that already bonds to the amount of \$5,500 had been subscribed for by club members and the subject was optimistically discussed by several speakers. M. C. Ebel read the resolutions of condolence on the death of Charles McTaggart. T. B. DeForest reported on the arrangements being made for the San Francisco trip next August and Chas. Schenck for the dinner committee. F. R. Pierson made a very interesting report on the International Flower Show progress and said he had assurances of the active help of the Retail Florists' Association as an organization to exploit the show and induce florists to make exhibits of decorative work. Special premiums were coming in quite encouragingly, but more are still needed. The Florists' Club will have a decorated booth in the exhibition where the president and members can receive their friends. There will be a "Brooklyn Day" when the Brooklyn contingent will try to outdo the big affair of last year. The new plan of sectional judges for the exhibits worked out well and committee reports were thorough and prompt. Cottage Maid, a new carnation from Cottage Gardens was given a preliminary certificate having scored 85 points. Vote of thanks was given to each of the following. White seedling, No. 12 by Frank Duida, Farmingdale; Beacon, White Wonder, Pink De-

assured us that if he could afford the space he would start his plants in the houses as soon as possible before the middle of July and keep them inside through the summer. The earlier the start and the less disturbance through transplanting the greater are the chances for increased and better production throughout the winter.

Fumigants are tabooed in this establishment. The houses are so big that fumigation would have to be done very heavily and in that case there would be a tendency to send the blooms to sleep. In Mr. Pembroke's opinion a spray once a week, after the beds have been picked off close, is the best treatment for carnations. No chemical fertilizers are used either. Sheep manure is applied to the beds about once a month. He does not believe in raised benches for carnations. He uses beds with concrete sides about 15 inches high.

The Lord & Burnham house above mentioned is a magnificent structure, even-span, in every sense a fitting example of the modern greenhouse. It is in houses such as this that Mr. Pembroke, guided by the best things in the profession of floriculture and allied sciences, produced the flowers that won the unanimous admiration of the judges and the trade at the Carnation Convention. He says it is easy to grow good stock, no matter what kind of a house, iron frame or wood—but there you are! If we keep on we will only end up by saying that it depends finally upon the man and his methods. S. L. F.

the best of his ability and for the grower and retailer to donate a certain part of their stock, and the retailers to do all the work and to open the hall to the public, so as to create a local demand for flowers. This matter was left until a future date for discussion and a committee was appointed to call on the growers and retail florists to secure their support. E. P. Tracey and F. Henkes were appointed to represent the club at the meeting of the State Federation at Ithaca. J. Allison of Albany and J. Traudt of Canajoharie were elected to membership. A proposition that the Albany Cut Flower Exchange start an employment bureau for the benefit of the Albany florists or growers who are out of business was favored by the majority of those present.

NEW YORK FLORISTS' CLUB

The Club meeting in the Grand Opera House hall, last Monday evening, was one of the best attended and most harmonious in the history of the organization. There was plenty of enthusiasm for the work of the coming year; a splendid carnation exhibition greeted the members: Phil Kessler signalized his assumption of the management of the commissary department by furnishing an elaborate complimentary feed, for which a spontaneous vote of thanks was recorded and altogether there was abundant evidence that the coming year in the club's history is to be a very wide-awake and busy one, not the least of which will be the "International"

light and Gloriosa by Lakeview Rose Gardens; Mrs. C. E. Akehurst by Pen-nock-Meehan Co., for C. Akehurst & Son; Laura Weber and Mrs. Ernest Thalman by Charles Weber; Philadelphia, Eureka, Aranawa, and a crimson seedling by A. N. Pierson; Pink seedling by J. F. Marsden; Cerise seedling by G. F. Neipp of Floral Hill Gardens; Siren, a seedling, by H. C. G. Swortby; Victory and Enchantress, by C. L. Doerr; Enchantress and White Enchantress by A. L. Miller. Spencer sweet peas by G. T. Schunemann, freesias by Phil F. Kessler.

The committee on permanent home for the club is constituted as follows: Frank R. Pierson, chairman; Phil F. Kessler, A. T. De la Mare, Leonard Barron, J. H. Pepper, C. H. Totty, W. A. Manda, J. K. Allen, A. L. Miller, F. H. Traendly, W. R. Cobb, Wm. Duckham, H. E. Froment, Julius Roehrs and G. E. M. Stumpp. The booth committee are C. B. Weathered, chairman; John R. Kervan, Andrew Cova, A. T. Bunyard, Andrew Scott, R. G. Wilson, F. L. Atkins, Julius Roehrs, W. F. Sheridan, J. R. Lewis, Thomas Murray and W. H. Siebrecht, Jr.

THE HORTICULTURAL SOCIETY OF NEW YORK.

There will be an exhibition of plants and flowers held by this Society on Wednesday, February 17th, at the American Museum of Natural History, 77th St. and Central Park West. Premiums are offered for cut blooms of

THOMAS F. GALVIN

Announces the opening of his **magnificent new Flower Store** at No. 1 Park Street, Boston.

A cordial invitation is extended to members of the trade visiting Boston to make an inspection of this new establishment, with many unique and interesting features which make it the **finest example in this country** of modern flower store arrangement.

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by J. A. Peterson of Cincinnati. T. P. Langhans, Fred Burki and Edward H. Blind, delegates to the annual convention of the American Carnation Society, held in Buffalo last week, reported that Pittsburgh florists took many prizes at the convention and that the affair was a big success.

The Horticultural Club of Boston devoted its February meeting to a welcome to its honorary secretary E. H. Wilson, who had just returned from a year's collecting expedition in Japan. The dinner was held at Young's Hotel and in addition to the members there were present as guests, W. H. De Graaf of Leyden, Holland; Prof. Louis C. Elson of the New England Conservatory of Music, Dr. T. J. Leary, W. C. Stickel, president of the Flower Exchange; W. P. Rich, Secretary, Mass. Horticultural Society; Col. W. W. Castle and M. H. Norton. The tables were beautifully adorned with *Buddleia asiatica*, one of Mr. Wilson's Chinese novelties, and a handsome hybrid *Buddleia* (*B. asiatica* × *B. officinalis*) raised by R. & J. Farquhar & Co., and some superb carnations from M. A. Patten.

At the regular meeting of the North Shore Horticultural Society, held February 5, in Lee's Hall, Manchester, Mass., A. Leuthy, of Roslindale, gave a very interesting talk on "Palms and Their Insect Pests." He described palm growing and selling from a financial as well as a growers' standpoint, bringing out very strongly the fact that growing palms is one thing and selling them at a profit is another. Mr. Leuthy imparted some very valuable information as regards treatment of fungous and insect pest, care of

various kinds, mealy bug, etc., and gave very definite directions for the safe use of hydrocyanic acid gas. A good general discussion followed the lecture. The show committee distributed the schedule of prizes for the exhibition which is to be held Aug. 4 and 5. The next meeting will be held Feb. 19.

The Southampton Horticultural Society held its regular meeting in the Odd Fellows' hall, Southampton, N. Y., on Feb. 4th. The visitor of the evening was Andrew Kennedy, who addressed the members to some length on interesting topics. One of the chief items was a discussion on the proposed scheme of the mutual cooperation between horticultural societies. The members decided in its favor and promised their support. J. Guilfoyle was given an award of merit for two extra fine vases of carnations. An essay was read by S. R. Candler on "Schizanthus and their Culture," and there was a good discussion. It was decided to hold the annual flower show in Southampton on July 28th and 29th, 1915, list of prizes to be issued later. The next meeting of the Society will be held on Feb. 18th, when all horticulturists in Southampton on that date are welcome. S. R. CANDLER, Cor. Sec.

COMING EVENTS.

Meetings.

Rhinebeck, N. Y., Feb. 13, 8 P. M. Violet Growers' Mutual Association of Rhinebeck, N. Y.

New Orleans, La., Feb. 14.—Gardeners' Mutual Protective Association (New Orleans, La.), 114 Exchange Place.

Detroit, Mich., Feb. 15.—Detroit Florists' Club, 153 Bates St.

Providence, R. I., Feb. 15, 8 P. M. Flor-

ists' and Gardeners' Club of Rhode Island, 96 Westminster St.

Grand Rapids, Mich., Feb. 15.—Grand Rapids Florists' and Gardeners' Club.

Montreal, Can., Feb. 15, 7.45 P. M. Montreal Gardeners' and Florists' Club, Royal Guardians Bldg.

St. Louis, Mo., Feb. 15.—Retail Florists' Association of St. Louis, Mo., Hotel Washington.

Boston, Mass., Feb. 16, 8 P. M.—Gardeners' and Florists' Club of Boston, Horticultural Hall.

Seattle, Wash., Feb. 16.—Seattle Florists' Society, Chamber of Commerce, 2nd Ave. and Columbia St.

Toronto, Ont., Feb. 16.—Toronto (Ont.) Gardeners' and Florists' Association, St. George's Hall, Elm St.

Lancaster, Pa., Feb. 18. Lancaster (Pa.) City and County Florists' Association, Chamber of Commerce.

Tacoma, Wash., Feb. 18. Tacoma (Wash.) Florists' Association, Maccabee Hall, C and 11th Sts.

Lake Geneva, Wis., Feb. 20.—Lake Geneva (Wis.) Gardeners' and Foremen's Association, Guild Hall.

Baltimore, Md., Feb. 22, 8 P. M. Gardeners' and Florists' Club of Baltimore, Florists' Exchange Hall, St. Paul and Frank Sts.

Toledo, O., Feb. 23. Toledo Florists' Club.

Rhinebeck, N. Y., Feb. 27. Violet Growers' Mutual Association of Rhinebeck, N. Y., Odd Fellows' Hall.

PERSONAL.

Mr. and Mrs. John I. Raynor of New York are planning a trip to Florida.

John F. Huss, 1103 Asylum avenue, Hartford, Ct., has been given charge of the Hartford Rose Test Garden.

John Bennett, the Hillside nurseryman and florist, of Atlantic Highlands, N. J., has received word that through the death of an uncle in Australia last month he has inherited about \$150,000. Mr. Bennett will sail for Australia in a few weeks.

During Recess

New York Florists' Club Dinner.

DON'T STOP

Keep right on until you finish this notice.

THE DINNER COMMITTEE

of

THE NEW YORK FLORISTS' CLUB

has

STARTED SOMETHING

and they want every member of the Club to be with them at the

FINISH

We are absolutely NEUTRAL and we don't care how many tickets you may want. BUT if you want to be sated with your friends get in early and order a table.

TABLES

accommodating 8-10 persons will be arranged; but are limited.

NOVELTIES AND SURPRISES

Yes, we are going to have some, but don't tell anybody, it's a secret.

THE DANCE

AND THEN!!! All ye young, and young old can trot and tango to your hearts content, to the seductive strains of entrancing music.

TICKETS

Will be as usual, Five Dollars for the Gentlemen and Four for the Ladies.

GET THIS UNDER YOUR HAT AND KEEP IT THERE.

The Month is March,

The Date is the 20th.

The Day is Saturday (nothing to do to-morrow.)

The Time is 7 P. M.,

And the Place is the HOTEL ASTOR.

Make no other engagements. But keep this date open for the Dinner of The New York Florists' Club and take advantage of this particularly joyous occasion to meet your friends and get on a better social footing with all our members.

THE DINNER COMMITTEE,

CHARLES SCHENCK, Chairman.

The San Francisco Convention.

A Bowling Trophy.

M. C. Ebel of Madison, N. J. has advised D. MacRorie of San Francisco, that the Aphine Manufacturing Company will donate a bowling trophy for the highest individual score bowling at the coming Convention. The actual value of the trophy will be \$100, and it will be engraved as follows:

Trophy of

APHINE MANUFACTURING COMPANY

For highest individual score
Bowled at

PANAMA-PACIFIC INTERNATIONAL EXPOSITION

San Francisco, Cal., August 1915

by a member of

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

NATIONAL ASSOCIATION OF GARDENERS

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200 ACRES,

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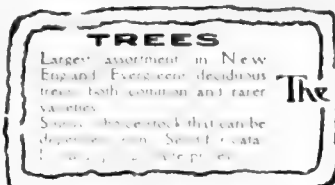
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ANDROMEDAS.

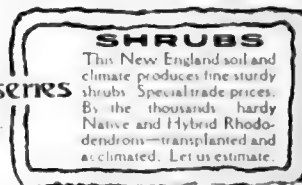
FRAMINGHAM, MASS.

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Price List



The Bay State Nurseries

North Abington
Mass.



New York Florists' Bowling Club,
Thursday, Feb. 4.

	1st Game	2nd Game	3rd Game
J. Mason	165	188	167
R. J. Trow	158	167	151
P. Jackson	139	143	154
H. C. Reed	177	174	178
W. P. Ford	149	181	162
W. H. Schenck	142	156	164
A. J. Giffman	145	154	162
A. Schanzer	116	159	138

WASTING SURPLUS NURSERY STOCK.

Criticism at the Providence convention of the New England Nurserymen's Association of the practice of burning surplus stock was justified. Why should anything, useful or ornamental, be destroyed? Shrubs, plants and trees which are not marketed in the usual channels should be disposed of in other ways—it is an economic blunder to throw valuable stock on the brush pile.

Storekeepers do not make bonfires of stock not sold during the regular season. Why should nursery products not be treated as the left-over goods of a retail merchandising house? Surely the nurserymen should be able to place their surplus shrubbery and trees where they will be appreciated without disturbing the regular trade. The retail merchants have proved that there is no need of destroying anything that remains on their hands at the season's close.—*Providence Journal*.

CATALOGUES RECEIVED.

Almon S. Sawyer, Mentor, Ohio—Second Annual Price List, Spring, 1915. Nursery stock.

Chas. G. Curtis, Callicoon, N. Y.—Twelfth Annual Wholesale Price List of Native Plants and Trees.

Fisher Nursery Company, Inc., Huntsville, Ind.—Surplus List No. 1, for Nurserymen and Dealers only.

Dingee & Conard Co., West Grove, Pa.—Dingee Guide to Rose Culture. This catalogue represents the accumulated knowledge of more than sixty years' work in rose culture. It is an attractive, finely illustrated and adorned publication. The half-tones and colored plates are exceptionally good.

Conard & Jones Co., West Grove, Pa.—1915 Floral Guide. This company has introduced many splendid garden subjects, roses, cannas, etc., and this handsome and comprehensive catalogue presents the gems of modern garden favorites in a very tempting manner. There are many rose portraits in natural colors.

As Spring Approaches

Let us talk to you about

HARDY PERENNIALS

The public are beginning to realize that no grounds are really gardened without a big showing in Perennials. We have a big stock of all the best that grow and can stock you up at surprisingly low prices.

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Palisades Nurseries

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and Roses.

Write for Trade List.

W. & T. SMITH COMPANY, Geneva, N. Y.

Horticulture Publishing Company,
Boston, Mass.:

Gentlemen:—It is getting late in the season and we wish to discontinue the advertisements which we carry in your paper. We would say that the advertisements which we have carried in your paper have brought us good results, and we feel that the money so expended was well invested.

Yours truly,

Standard Thermometer Company,
S. C. LORD, President.

SEED TRADE

AMERICAN SEED TRADE ASSOCIATION

Officers—President, Lester L. Morse, San Francisco, Calif.; First Vice-President, J. M. Lupton, Mattituck, L. I.; Second Vice-President, E. C. Dungan, Philadelphia, Pa.; Secretary and Treasurer, C. E. Kendel, Cleveland, O.; Assistant Secretary, S. F. Willard, Jr., Cleveland, O.

General Business.

The mail order houses report business as rather unsatisfactory, and place the blame largely on the weather, which is doubtless just. We have had a wretched brand of weather since the first of the year, with comparatively few bright, pleasant days interspersed; and if weather prophets are to be believed, we are destined to experience something worse than has yet happened. However, we will not borrow trouble, even though prophets are abroad in the land. The business of the general trade is rather slow. Growers are reporting a fair future business, but as a rule are somewhat disappointed because orders are smaller than for the past few years. General wholesale business is at pretty much of a standstill, but this is no exception at this season of the year. When the trade becomes really busy it is generally believed that many shorts will develop, and that there will be considerable activity in a wholesale way in spot goods.

Pea Shortage.

There are more or less authentic rumors of a great shortage in the pea crop of New Zealand. Also other rumors that the government there intends to lay an embargo on the export of legumes. The purpose evidently is to prevent the export of anything that will aid the foreign food supplies. If this statement proves to be correct, many Canadian and some American houses will be on the short side on peas. In this connection, it is known that an embargo on exports of seeds from France has been laid by the French government. It is not definitely known whether the embargo applies to all seeds, but a reasonable supposition would be that it does not apply to flower seeds, or such other seeds as can not be used as edibles. Advices by mail from the French seed houses are anxiously awaited by the trade in this country.

Seed Trade Convention.

The Convention of the American Seed Trade Association we are advised is to be held in San Francisco, June 22 next. Already many seedsmen are making plans to attend. One plan discussed now is for a number to meet in Chicago about a week prior to the Convention and go via the Santa Fe, which will enable them to visit the Grand Canyon. Others want to have their tickets read via San Diego. It is said that the people of San Diego have an exhibition of their own which, while not nearly as extensive as the Panama-Pacific Exhibition at San Francisco, has been described as quite as unique and beautiful. It is understood that President Lester

HARRY A. BUNYARD

BEGS to announce that he has decided to start in business on his own account, trusting that he will receive the same support from his friends as in the past.

Temporary address 131 West 28th Street,
New York City.

HARRY A. BUNYARD

Morse will make arrangements at the hotels for all who contemplate attending the convention; although it will be necessary to advise him in advance of the reservations wanted, and the price the visitor is willing to pay.

Future Beans and Peas.

Most growers of peas and beans have found an eager and ready demand for future beans, but the orders for peas have been on the whole rather unsatisfactory both from seedsmen and canners. The prices at which the so-called canners' varieties are offered by the growers are little, if any, above cost, and it would seem to us an exceedingly unwise course for those who are going to require seed not to place their orders now. A new feature has developed which will probably make the seed growers more independent, and that is the export demand for dried peas. We are advised that more than one hundred thousand bushels of dried peas have been shipped from Wisconsin within the last three months, and the shipments continue. It is believed that before the new crop of pea seed is harvested, there will be nothing left in the way of dried peas in Wisconsin except such varieties as are being carried for seed purposes, and many varieties ordinarily grown for seed purposes will be disposed of.

At the present time growers can get more for their peas for export than the prices they are quoting to canners, and there is already some talk among the larger growers of cancelling all quotations on future canners' varieties because of the present and prospective demand for export. This would look like good business on the part of the growers, and thus canners who have not yet bought their future requirements may have to pay a heavy premium for their procrastination, although the lesson would be lost because the first year that seed can be bought at contract prices after harvest will make them forget any number of years they have had to pay heavy premiums.

Canners' Convention.

The Canners' Convention which has been held in New York the past week has drawn a very large attendance.

The exhibition of canning machinery at the Grand Central Palace was quite a revelation to thousands who visited the exhibition. The general public was not admitted. Only those receiving tickets which were issued to the wholesale grocers and by them distributed among their retail customers, who in turn later distributed them among their customers, were admitted. The local seed trade about New York received complimentary tickets from the president of the Canning Machinery & Supplies Association, W. C. Langbridge. The seed trade has been honored by his election to the presidency, which he has held for the past two years.

The novelty of the exhibits was generally appreciated by the trade, the chief novelty being an exhibition of moving pictures showing the canning of fruits, vegetables and tuna fish. The pictures started, in the case of the fruits, showing peaches on the trees; showing them being picked, and all the various processes up to the finished product ready to go on the shelves of the retail grocer. It was the same with the asparagus, the peas and the tuna. The latter is one of the most interesting pictures, showing the method of catching the fish which seemed to be very hungry for no sooner was a line thrown in the water than a fish was hooked. These pictures proved one of the most interesting features of the exhibition, and the room where they were shown was crowded every afternoon.

Not a "Seed Mendicant."

Editor of HORTICULTURE:

Dear Sir:—Though seeds from the free seed distribution reach me, I object to being called a "seed mendicant." I did not ask for those seeds,—

A HANDY TOOL FOR CUTTING GLASS



"RED DEVIL" No. 6

Has six wheels in the handle and outlasts six ordinary glass cutters in efficiency and economy. Sent postpaid for 30 cents. Booklet on request.

SMITH & HEMENWAY CO.

181 Chambers St., New York City.

they just came, and usually I had no use for them. I would just as soon have bought corn, which I could use then. Do not blame the recipients of the seeds, blame the senders. It is not the clamor of the populace which keeps up the distribution.

I have, to be sure, secured from the Department of Agriculture seeds and samples, such as the dashoon, Tangier pea, and so forth, of new plants the Department was testing out for their value in various parts of the country, to try under my conditions here, and have reported in regard to them; but that, I take it, is a different matter.

Very respectfully,

Carthage, Mo. B. C. AUTEN.

Notes.

D. D. Simmons Co., seedsmen, Fairmount, N. D., have opened a seed store at Moorhead, N. D.

Imports of horticultural material into New York for the week ending January 30, were as follows: Fertilizer \$10,639; clover seed, \$40,794; grass seed, \$15,880; trees and plants, \$46,729.

CATALOGUES RECEIVED.

Buchbinder Bros., Chicago Refrigerators for Florists.

W. Atlee Burpee & Co., Philadelphia, Pa.—The Story and Culture of the Red Sunflower.

Valdesian Nurseries, Bostic, N. C.—Illustrated Price List of Fruits, Trees and Flowers.

H. A. Dreer, Phila., Pa.—Dreer's Bird Book. Illustrated Price List of Bird Houses, etc.

J. J. Wilson Seed Co., Newark, N. J.—Seed Annual for 1915. Fine gladiolus portrait on front cover page.

Shady Lawn Nurseries, Hammonton, N. J.—Wholesale Trade List of Outdoor Flowering Plants and Shrubs.

Frederick W. Eberle, Albany, N. Y.—

Michell's New Crop FLOWER SEEDS

ASPARAGUS.

Plumosis, Nanus, Northern Greenhouse Grown Seed. Per 1,000 seeds, \$3.50; \$15.50 per 5,000 seeds; 10,000 seeds, \$30.00.

Hatcheri. Per 500 seeds, \$3.25; \$6.00 per 1,000 seeds.

ASTER, Early Wonder.

	Tr.	Pkt.	Oz.
Pink	\$0.40	\$2.00
White40	2.00

ASTER, Queen of the Market.

	Tr.	Pkt.	Oz.
White	\$0.20	\$0.75
Dark Blue20	.75
Light Blue20	.75
Blush Pink20	.75
Rose Pink20	.75
Crimson20	.75
Mixed20	.75

SALVIA.

	Tr.	Pkt.	Oz.
Bonfire	\$0.40	\$2.00
Ball of Fire50	2.50
Scarlet Glow (Michell)50	4.00
Zurich50	4.00
King of Carpets50	2.50
Splendens25	1.00

PETUNIA.

	Tr.	Pkt.	Oz.
Michell's Monstrosus	\$1.00	
California Giants50	
Grandiflora Fringed50	
Dwarf Inimitable50	1.25

Also all other Seasonable Seeds and Supplies for the Florist.

SEND FOR A COPY OF OUR NEW 1915 WHOLESALE CATALOGUE IF YOU HAVEN'T RECEIVED A COPY.

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518 Market St., Phila.



Seeds With a Pedigree

For generations James Carter & Co. have used painstaking English methods in selecting and testing their seeds. The Carter trial and testing grounds at Raynes Park have become celebrated in Great Britain.

This explains the remarkable record of Carters seeds in American Gardens. These "Seeds with a Pedigree" can now be purchased in this country. A complete stock is carried in Boston and prompt service is guaranteed.

If you did not have the 1915 Carter Catalog, American Edition, write for it today.

CARTERS TESTED SEEDS INC.

166 Chamber of Commerce Building,
Boston, Mass.

Branch at Seattle, Wash.

In Canada, 133 King St. E., Toronto

Branch of Jas. Carter & Co., Raynes Park, Eng.

Carters Tested Seeds

Seed Annual for 1915. A distinctive and very attractive book, with Big Boston Lettuce as cover special.

Vaughan's Seed Store, New York—Seed Catalogue for 1915. Zinnias on front and gladioli on back cover attractively displayed in colors.

Arthur DeMeyer, Ghent, Belgium—Wholesale Price List of Palms, Bays, Etc., McHutchison & Co., 17 Murray St., New York. American representatives.

Arthur Cowee, Berlin, N. Y.—The Glory of the Garden. A gladiolus book which is not only an exponent of garden glory but of beautiful catalogue work.

Gurney Seed and Nursery Co., Yankton, S. D.—Spring and Fall Catalogue and Price List for 1915. Printed on heavy coated paper and with showy covers.

Ross Brothers, Wichita, Kansas.—Seed Book for 1915. Cover page shows a field of the latest forage plant, Sudan Grass. Inside it tells all about "acorn brand seeds."

W. Atlee Burpee, Philadelphia, Pa. New Edition of 35th Annual Supplement. An interesting booklet—something more than a catalogue—full of information, suggestion and wise advice and profusely illustrated.

J. Belgiano & Son, Baltimore, Md.—1915 Seed Catalogue. A business proposition from cover to cover. Devoted mainly to market garden and field seeds, and finely illustrated, John Baer tomato being the cover attraction.

Elmer D. Smith & Co., Adrian, Mich.—Select List of Chrysanthemums for 1915. Whatever this house sends out is "select" always and whoever may wish to know about the best things for this season will do well to consult this catalogue.

Burnett Bros., New York—Annual Catalogue of Seeds, Bulbs and Plants. A handsome production bound in pur-

ple and gold, embossed. An outline map of the United States, in gold with inscription "Seeds for the Country" forms an original and appropriate back cover ornament.

Carter's Tested Seeds, Inc., Boston Headquarters of James Carter & Co., London, England—Garden and Lawn, 1915. A handsome catalogue, richly embellished with half-tone illustrations of great beauty. Bound in red and gold, embossed. Vegetable and flower novelties and standard varieties in full assortment.

Joseph Breck & Sons Co., Boston, Mass.—1915 Catalogue of High Grade Seeds and Everything for the Farm, Garden and Lawn. As always this annual spring message from this old-established house is a thing of beauty externally and of instructive interest internally. 160 pages. Cover dappled mossgreen with spray of flowers in natural colors.

Thorburn's Seeds and Bulbs

ARE you interested in Freesia Bulbs (first size) at two dollars per hundred, or twelve dollars per thousand?

Ask us about our "below-the-market" specialties and watch for our column announcements.

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SEEDS FOR PRESENT SOWING PLANT NOW!

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Write for a copy of our 1915 Catalogue

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SEEDS for the FLORIST ASTERS Queen of the Market

The best extra early variety, large double flowers, on long stems, in colors: Crimson, Dark Blue, Light Blue, Rose, Peach Blossom, White.

Trade pkt. 20c., oz. 75c.

Sweet Peas, Stocks, Cyclamens, Primulas, Lily of the Valley, from our own Cold Storage Plant

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PEAS, BEANS, RADISH } Growers for the Trade
and all Garden Seeds }

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	100	1000
Blushing Bride	- \$0.75	\$6.00
Peach Blossom	- 1.00	8.00

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We are extensive growers and dealers of Seed and Sets. All our stock is first-class quality. Write for prices.

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 Seedsmen requiring the very best
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Garden Seeds

(VEGETABLE AND FLOWER), especially

Kelway's Celebrated English Strains

can get them at lowest independent wholesale rates by sending their orders direct to

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Special quotations on application

 Place your order now for Ayres' Winter
Flowering

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"Renowned Sweet Pea Specialists"

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 Wholesale Garden and Field Seeds,
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RANDALL'S FLOWER SHOP

HARRY I. RANDALL, Proprietor.

Phone: Park 94

3 PLEASANT ST., WORCESTER, MASS

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Of Interest to Retail Florists**THOS. F. GALVIN, INC., IN NEW QUARTERS.**

The show place of Boston just now is the new downtown store of Thos. F. Galvin. This long established firm, for almost three score years and ten located on Tremont street, has found a new home on Park street, but a few steps from their former location. The new store has all of the best features of the most modern and up-to-date florists' shops in the country and in addition possesses several distinctive Galvin features, one of which, a circular enclosed fountain, will be in constant operation in the centre of the semi-circular entrance to the store. The base of the fountain is done in mosaics and vari-colored tiles, the whole surrounded by rare and beautiful flowering plants. The store itself is eighty-five feet long and forty-five feet wide, a combination of the two stores formerly located there. The increased space in the new shop has also permitted of the installation of one of the largest retail refrigerating outfits for flowers in the country.

The decorative scheme within the store is very pleasing; plants, Italian seats, vases and marble statuary arranged attractively throughout the shop make it a veritable indoor garden. The general color plan, a dull gray or ivory-white, is different from the conventional white or green of the ordinary flower store and is pleasing to the eye.

The selling force of the firm has been enlarged to take care of the increasing number of patrons attracted to the new shop. No pains have been spared to give its old and new customers the highest grade of service.

The designer of the fountain and store throughout was G. Henri Desmond.

NEWS NOTES.

Pittsfield, Mass.—The Flower Shop observed its fifth anniversary on February 6, by a special decoration of the store and the distribution of souvenirs to visitors, many of whom called to present congratulations to Manager Stanley Barnes.

Columbus, O.—One of the handsomest flower stores between New York and Chicago, is the claim made for the establishment of T. J. Ludwig. The building is wholly new, white stone front and concrete floors. The fixtures are somewhat on the mission order. For the display of cut flowers there is an inclosed case with a 14-foot ice box, which will hold 1,800 pounds of ice. A work table with glass casing at top for ribbon display, and two large cases, inclosed, for fancy baskets, are other features of the fixtures. The store contains 139 feet of casing, 90 feet of which are inclosed. A cozy corner with writing desk and other conveniences made to match the fixtures, will be at the service of the public. A formal opening will soon take place. Mr. Ludwig was formerly manager of the cut flower department of Livingston Seed Company, Columbus, and severs a connection of twenty-five years to embark in business on his own account. He is still quite a young man.

JOHN BREITMEYER'S SONSCor. Broadway and Gratiot Aves.
DETROIT, MICH.**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good sections of Ohio, Indiana and Canada.
Members Florists' Telegraph Delivery Association.

THE ROSERY

23 STEUBEN ST.

ALBANY, N. Y.**FLOWER DELIVERIES FOR ALBANY
AND VICINITY**

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*Danker***Albany, N. Y.**Not How Cheap
But How Good.**Capital of the Empire State**

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**WASHINGTON,
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The largest cut flower store in America
Orders for the TWIN CITIES and for all
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DELIVERED IN ALBANY AND VICINITY
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Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Albany, N. Y.—The Rosery, 23 Steuben St.
Boston—Thos. F. Galvin, 1 Park St.
Boston—Penn, the Florist, 37-43 Brom-
field St.
Boston—Zinn, the Florist, 1 Park St.
Buffalo, N. Y.—S. A. Anderson, 440 Main
St.
Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago, Ill.—Schiller the Florist, George
Asmus, Mgr.
Chicago—William J. Smyth, Michigan
Ave. and 31st St.
Cleveland, O.—J. M. Gasser Co., Euclid
Ave.
Cleveland, Ohio—Adam Graham & Sons,
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Denver, Col.—Park Floral Co., 1643
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Detroit, Mich.—J. Breitmeyer's Sons,
corner Broadway and Gratiot Ave.
Houston, Tex.—Kerr, The Florist.
Kansas City, Mo.—Samuel Murray, 913
Grand Ave.
New London, Conn.—Reuter's.
New York—David Clarke's Sons, 2139-2141
Broadway
New York—Alex. McConnell, 611 5th Ave.
New York—Young & Nugent, 42 W. 28th
New York—Dards, N. E. corner 44th St.
and Madison Ave.
New York—Max Schling, 22 W. 50th St.
New York—G. E. M. Stumpp, 761 Fifth
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New York—Myer, 609-611 Madison Ave.
New York—A. T. Bunyard, 413 Madison
Ave.
Norwich, Conn.—Reuter's.
Omaha, Neb.—Hess & Swoboda, 1415
Farnum St.
Rochester, N. Y.—J. B. Keller Sons, 25
Clinton Ave., N.
St. Louis, Mo.—Fred C. Weber, 4326-28
Olive St.
St. Paul, Minn.—Holm & Olson, Inc.
Tarrytown-on Hudson, N. Y.—F. R. Pier-
son Co.
Toronto, Can.—J. H. Dunlop, 96 Yonge
St.
Washington, D. C.—Gude Bros., 1214 F
St.
Washington, D. C.—F. H. Kramer, 915
F St., N. W.
Washington, D. C.—J. H. Small & Sons,
cor. 15th and H Sts.
Westerly, R. I.—Reuter's.
Worcester Mass.—Randall's Flower Shop,
3 Pleasant St.

A USEFUL DEVICE FOR FLORISTS.

George Hart's patent staple which is
advertised on another page of this pa-
per is catching the attention of the
florist trade as a serviceable flower-
saving, time-saving device. The price
is about one-third of what other con-
trivances for the same purpose have
cost. Either cut flowers, plants or
floral pieces may be safely fastened in
cardboard boxes for transportation to
any distance by the use of this clever
little staple.

The Florists' Telegraph Delivery As-
sociation will have a directors' meet-
ing at the LaSalle Hotel, Chicago,
March 2nd, at 10 A. M. Members are
invited to attend this meeting if pos-
sible.

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Penn *The Florist*

"The Telegraph Florist"

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STORES IN
New London and Norwich, Conn.
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BY THE FLORISTS' SUPPLY HOUSE OF AMERICA

*St. Valentine's Day Novelties—Heart Boxes for Violets—Cherries
for Washington's Birthday*

CATCHY NOVELTIES IN TANGO FAVORS

HANDLE BASKETS With Liners

CYCAS LEAVES, Best in the World

WHEAT SHEAVE CREPE PAPER AND MATS

TUMBLER BASKETS

MAGNOLIA LEAVES

CREPE FLOWERS

H. BAYERSDORFER & CO.,

The Florists' Supply
House of America

**1129 Arch St.,
PHILADELPHIA, PA.**

NEWS ITEMS FROM EVERYWHERE

BOSTON.

J. F. Thomas is no longer connected with the Carter's Tested Seed Co.

John Lynch, formerly assistant manager of the Co-operative Market, is now assistant salesman for J. M. Cohen, who sells the products of several growers.

Wm. Finlay, at one time salesman for Thos. Roland at the Co-operative Market, is now salesman for several other growers and has resigned his position with the above firm.

The Gardeners' and Florists' Club of Boston will hold its annual carnation and novelty night Feb. 16. Several specialists are expected to deliver short talks on the different phases of carnation culture, especially those pertaining to the business end of the industry.

Joseph Margolis, of H. M. Robinson & Co., was very well pleased with the Carnation Convention at Buffalo and is favorably impressed with the quality of the new varieties of carnations. Matchless, especially, appeals to him as the best carnation for the wholesaler who ships long distances.

Last Saturday held a very pleasant surprise for the salesmen in the markets. The day started out with cloudy, dull weather and poor prospects for business. Up to four o'clock it looked as if thousands of blooms were going to be left over Sunday. Then the retailers who had held off all day came in with a rush and within an hour the stalls were cleaned out. The trade anticipates lively buying for St. Valentine's Day.

Henry Penn is now writing a series of articles for HORTICULTURE bearing on the florist trade from a business standpoint. Mr. Penn is well qualified to give sound and wholesale advice on every part of the retail stage of the industry and coming from this keen business man, the articles ought to be of value to every young, (and old), florist in the country. His article on advertising in HORTICULTURE, Feb. 6, is well worth reading.

The coming exhibition of the American Rose Society promises to be one of the big events of the season. Many additional special prizes are being secured, which ought to make competition in the various classes lively and interesting. The mid-winter show of

the Massachusetts Horticultural Society last Saturday was a big success, much interest being taken in the exhibits by the general public. Primulas were the big feature of the show.

PITTSBURGH.

The florists' shops are a riot of gay colors this week in deference to St. Valentine. Randolph & McClements, who are notable for elegance of design rather than the ornate, have departed somewhat from the old order of things and their window display is outlined with a deep floral border. The recess behind is partially separated from the storeroom proper by graceful draperies of pink tulle. In the center a large dressing table, similarly festooned, and a large floral heart thereon shot with a gilded Cupid's dart. Surrounding it were dainty little Dresden boxes, while piled high carelessly here and there on the floor were large oblong boxes in all the ribbon bedecked colors of the rainbow.

On the contrary, the window of Mrs. A. E. Williams in downtown Penn avenue, was suggestive of daintiness only rather than gaiety. Here, too, boxes were a feature of the decorative scheme, but they were heart-shaped in the delicate pastel shades tied with broad satin ribbon caught with a single large flower of contrasting shade.

Ray J. Dasebach also had a most effective window. The centerpiece was formed of a large easel surmounted by a gorgeous red floral heart and surrounding were charming square-shaped novelty boxes. A Japanese effect was obtained by branches of peach blossoms in the background.

The A. W. Smith Company in the Keenan Building expect to equal, if not surpass their last year's sale of violets, 150,000 strong. W. J. Smith is introducing a new early-blooming original strain of snapdragon in pink and white. It is also very graceful, and is especially adapted for baskets. These flowers have been blooming since Christmas at their greenhouse at Canfield, Ohio.

Owing to the water-proofing system not being installed, work was somewhat delayed last week on the new building of the Pittsburgh Cut Flower Company. Even so, however, the members are anticipating moving in

time for the Easter trade, as, on the whole, the weather conditions have been favorable for their work.

The wholesale houses report a shortage of roses and carnations, the few naturally going at "stiff" prices. There is a plentiful supply of all bulb stock. The small demand for violets is marked this season.

ALBANY.

The Albany Cut Flower Exchange is receiving some extra fine Hadley, Double Killarney, Killarney Queen roses, as well as general cut flower stock which is being moved at satisfactory prices.

Frank Brearer, of Whittle Bros., who has been with that concern for the past twenty-five years, has been appointed by Governor Whitman to the position of gardener at the Governor's mansion. He will take up his duties about the first of March, at which time John Tracey, the present gardener, will retire.

The new begonia Mrs. J. A. Peterson attracted much attention in the section devoted to miscellaneous exhibits at the Buffalo carnation exhibition. This variety is the result of a cross between Begonias Glory of Cincinnati and Mellor.

CHICAGO

And Neighboring Towns

Are Thoroughly Covered by

SCHILLER, THE FLORIST

(Member Florists Telegraph Delivery)

Flowergram or Mail Orders from Florists anywhere carefully filled and delivered under the supervision of

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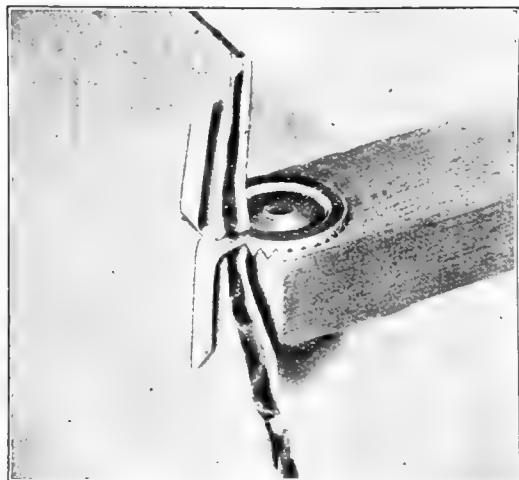
S. A. ANDERSON

440 Main St., Buffalo, N. Y.

ANDERSON service means fresh, sturdy stock, and prompt deliveries in BUFFALO, LOCKPORT, NIAGARA FALLS and WESTERN NEW YORK.

Members of Florists' Telegraph Delivery.

EVERYBODY NEEDS THIS!



For securing Cut Flowers, Plants and Floral Designs in Cardboard or Corrugated Boxes.

HART'S PATENT STAPLE TACK

For immediate use in *Box of Any Size*, with wooden strip of any length or form.

Efficient, Handy, Cheap.

PRICES: \$4.00 per 1000; 50c. per 100

DISCOUNT TO JOBBERS.

GEORGE B. HART,

**24 STONE STREET
ROCHESTER, N. Y.**

CHICAGO.

The "loop" florists have used the local papers extensively for promoting business the past week and low prices are being quoted.

Geo. Weinhoeber had a very effective window display to attract valentine seekers. It was an immense red heart in outline, suspended from the ceiling and red cupids dangling in and about it.

Judging from the orders now on the books for St. Valentine's Day, O. W. Freese believes that it will rank fourth among the florists' holidays, having Christmas, Easter and Memorial Day only to surpass it.

In spite of rain and wind the smoker given by the Chicago Florists' Club last week drew a fair proportion of the membership from their homes. Another open meeting with another novelty show will take place on March 4th.

The financial affairs of the H. A. Fisher Co. of Kalamazoo have had an airing in the Chicago courts, but no definite conclusions have been arrived at as yet. George Fisher, a brother, acts as buyer here for the Kalamazoo store.

At one of the large mid-winter luncheons given at the La Salle Hotel, Feb. 8th, the tables were decorated with spring flowers from the Pochlmann conservatories. The center table had a large plaque of jonquils and pussy willows and all the others were strewn with flowers.

Florists often find occasion to quote the old saying that "It's an ill wind that does not blow somebody good." This time it is the growers of bulbous stock. The price is holding up well and quantities are being sold that might be left were not roses and carnations so scarce.

Gladioli from Florida came into the wholesale stores in fine condition a

week ago and sold at once for \$1.00 and \$1.50 per doz. A following shipment appears to have been chilled and are not keeping well. This is the first time southern gladioli have been offered and the test is being made by a northern grower of that flower.

F. J. Benthey is now found at the Kennicott Bros.' wholesale store, where he is disposing of the stock of the Newcastle, Ind., plant. Mr. Benthey says that they are greatly pleased with the Ophelia rose and will plant it more extensively next year. At present they are using it more for cuttings than for blooming purposes.

Plant Notes.

Potted spring flowers are very popular at this time and the cold wintry weather has increased the demand for them. The early tulips such as Proserpine, are about through, as is also Montresor considered here the best early yellow. Le Mattalas, one of the earliest pink varieties for forcing has not been altogether satisfactory this season, seeming to lack substance. In preparation for Lincoln's birthday and St. Valentine's Day, a fine lot of bright colored tulips in pans were offered. Belle Alliance being the leading scarlet, Prosperity, one of the newer and promising pinks, Montresor in single yellow and Couronne d'Or in double yellow, making a good collection. Many new hyacinths have been tested each year by local growers, but so far few have proven valuable. Lady Derby is, perhaps, the most promising of the pink hyacinths, La Innocence is still the standby in early white and Queen of the Blues is still grown successfully for that color. Blue Hative, a comparatively new one is the earliest blue hyacinth grown here.

Waltham, Mass.—Henry J. Taubert, who opened a flower store in the Waltham Theatre building some months ago, has closed the store.

NEWS NOTES.

Silverdale, Pa.—George K. Kester has sold his greenhouse business to J. Frank Sherm.

Danvers, Mass.—Charles F. Hurlburt, of Beverly, has bought the greenhouse property of Ralph Wheelright on River street and takes possession at once.

Amherst.—The Amherst College department of botany has accepted a gift from Mrs. Addison Brown, of New York, of a collection of several thousand botanical specimens. The collection, made by her husband, is one of the largest private collections in the country.

Rochester, N. Y.—Charles H. Vick has been tendered the position of superintendent of the horticultural department of the Rochester Industrial Exposition, which it is proposed to give more than usual prominence to, this year. The exposition grounds are near the heart of Rochester and the affair is backed by the city. 20,000 sq. ft. of space has been placed at the disposal of the horticultural department.

KOMADA BROS.

Manufacturers of all Kinds of

WIRE DESIGNS and FLORISTS SUPPLIES

1008 Vine St., PHILADELPHIA, PA.

ROBERT J. DYSART

PUBLIC ACCOUNTANT AND AUDITOR

Simple methods of correct accounting especially adapted for florists' use

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40 STATE ST. - - - - BOSTON

Telephone Main 54

SPRING FLOWERS

WHITE and PURPLE LILAC,—per bunch, \$1.25
 PURE WHITE FREESIA,—per 100, \$4.00
 PUSSY WILLOW,—per bunch, 50 cents

Daffodils — Snapdragon — Pansies — Daisies — Cornflowers — Gardenias.

A well regulated supply. Enough stock every day to fill your orders.

THE LEO NIESSEN CO.

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N. W. Cor. 12th and Race Sts., PHILADELPHIA, PA.
 BALTIMORE, MD. WASHINGTON, D. C.

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N. F. McCarthy, Mgr.

Block Letters, \$2.00 per 100.

Script Letters, \$3.00 per 100.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock.

POEHLMANN BROS. CO.

Supply of Best Cut Flowers all the Year Around
72-74 EAST RANDOLPH ST., - - - CHICAGO.

If interested, send us your name and address for our weekly price list.

WELCH BROS. CO.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI January 25		CHICAGO February 8		BUFFALO February 8		PITTSBURG January 25	
Roses								
Am. Beauty, Special	25.00	to 30.00	40.00	to 50.00	50.00	to 60.00	40.00	to 50.00
" " Fancy and Extra	15.00	to 20.00	30.00	to 40.00	40.00	to 50.00	25.00	to 35.00
" " No. 1	10.00	to 15.00	20.00	to 30.00	30.00	to 40.00	15.00	to 20.00
Killarney, Richmond, Extra	10.00	to 15.00	12.00	to 15.00	8.00	to 10.00	10.00	to 12.00
" " Ordinary	5.00	to 6.00	6.00	to 10.00	3.00	to 6.00	4.00	to 8.00
Hillingdon, Ward, Sunburst, Extra	6.00	to 10.00	10.00	to 12.00	8.00	to 10.00	8.00	to 12.00
" " Ordinary	3.00	to 5.00	5.00	to 8.00	3.00	to 8.00	4.00	to 6.00
Maryland, Shawyer, Taft, Extra	6.00	to 10.00	10.00	to 12.00	8.00	to 10.00	8.00	to 10.00
" " Ordinary	3.00	to 5.00	5.00	to 8.00	3.00	to 6.00	4.00	to 6.00
Russell, Hadley, Ophelia	6.00	to 8.00	10.00	to 35.00	10.00	to 10.00	8.00	to 12.00
Carnations, Fancy	3.00	to 4.00	3.00	to 4.00	2.50	to 3.00	3.00	to 4.00
" " Ordinary	2.00	to 3.00	2.00	to 3.00	1.50	to 2.00	1.00	to 2.00
Cattleyas	25.00	to 50.00	35.00	to 50.00	40.00	to 50.00	30.00	to 50.00
Cypripediums	10.00	to 12.50	10.00	to 12.00	8.00	to 12.00	10.00	to 12.50
Lilies, Longiflorum	10.00	to 12.50	10.00	to 12.00	8.00	to 12.00	10.00	to 12.50
Lily of the Valley	3.00	to 5.00	4.00	to 4.00	4.00	to 4.00	2.00	to 4.00
Violets	.50	to .75	1.00	to 1.25	.50	to .50	.50	to .75
Snapdragon	1.00	to 1.00	1.00	to 1.00	4.00	to 6.00	4.00	to 10.00
Narcissus, Paper White	2.00	to 4.00	2.00	to 3.00	1.00	to 2.00	3.00	to 4.00
Corn Flower	1.00	to 1.00	1.00	to 1.00	1.00	to 1.00	1.00	to 1.00
Freesia	1.00	to 4.00	1.00	to 5.00	3.00	to 4.00	3.00	to 4.00
Daffodils	4.00	to 5.00	4.00	to 4.00	2.50	to 3.00	3.00	to 3.00
Lilac (per bunch)	1.00	to 1.00	1.00	to 1.00	1.00	to 1.00	.50	to 1.50
Sweet Peas	.50	to .75	1.00	to 2.50	.50	to 1.50	.50	to 1.50
Gardenias	1.00	to 1.00	1.00	to 35.00	20.00	to 30.00	1.00	to 1.00
Adiantum	1.00	to 1.00	1.00	to 1.25	1.00	to 1.25	1.00	to 1.25
Smilax	25.00	to 12.50	12.00	to 15.00	12.00	to 15.00	12.50	to 15.00
Asparagus Plumosus, Strings (100)	25.00	to 50.00	40.00	to 50.00	40.00	to 60.00	40.00	to 50.00
" " & Spreng. (100 bchs.)	25.00	to 35.00	35.00	to 50.00	25.00	to 35.00	25.00	to 50.00



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"The" Wholesale Florist of Cincinnati
 32-34-36 East Third Street

Consignments Solicited. Complete stock of Florists' Greens and Supplies.

Mention Horticulture when writing.

Wired Toothpicks

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W. J. COWEE, Berlin, N. Y.

10,000....\$1.75. 50,000....\$7.50. Sample free
 For sale by dealers.

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Plantmen and Florists

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CHOICE BEAUTIES, ORCHIDS, VALLEY, ROSES
 and all Seasonable Varieties of Cut Flowers

MICHIGAN CUT FLOWER

EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

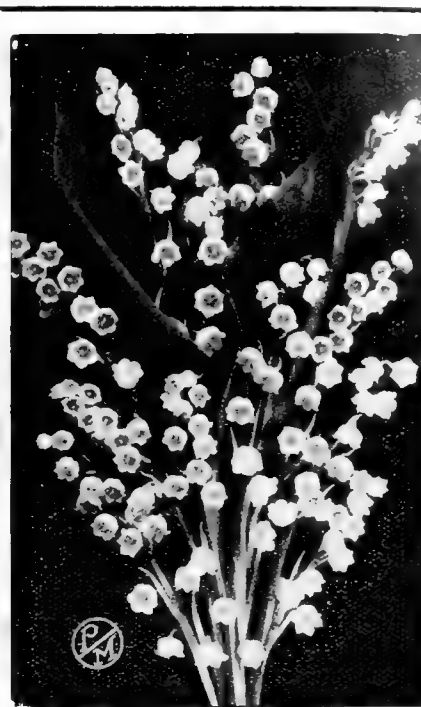
264 RANDOLPH ST., DETROIT, MICH

Flower Market Reports

BOSTON This last week has been one of many pleasant surprises for all branches of the local trade. Last Saturday ended with a thorough clean-up of all classes and kinds of stock and this week, up to the present writing has seen the most active business so far this season. This morning, Thursday, finds trade rather quiet, but wholesalers and salesmen are cheerfully optimistic and expect good buying for St. Valentine's Day. Stock is plentiful, thus allowing but little increase in prices. Up to this week cuts from the greenhouses have been small, the reason being very apparent when we state that there were only four days of sun during the whole month of January. The last few days have brought a decided change in the weather and stock is coming in in normal quantities, especially freesias, which are to be seen everywhere. Stevia, which ordinarily is cleaned out by the first of February, is still holding out in the houses of a number of local growers. Beauties are fetching better prices and the demand for good roses is on the increase, especially because of the coming holiday. Carnations of the kind that captured the prizes at Buffalo, are reaching very good figures, in some cases \$6 and \$7 per 100, but these figures are exceptional and represent only a select few of the choicest product. Gardenias and cattleyas are not so much in demand and only average prices are being realized for them. Foliage plants are selling very well, displacing in a measure in favor the flowering azaleas and begonias that are in such great demand in mid-winter.

CHICAGO Business continues steadily, though slowly to improve as the month advances. Less is heard of financial depression and buyers are more ready to buy now at a fair price than they were a few weeks ago when flowers were so cheap. The short supply of roses continues and will for some time, the growers say, but the counters are so filled with all kinds of bulbous stock that their scarcity is not felt keenly. Of course the buyer has to get his flowers at higher prices but the stock is of such a high quality that few complaints are heard. Orchids, rated as costly flowers are having a new experience this season, as week after week they are used as leaders and retailed at wholesale price. Carnations are more scarce this week, but it is quite possible that growers are holding back for extra demand later in the week. American Beauties are not only scarce but poor in quality, the color being decidedly off on most of the stock. Some fine smilax is coming into the stores and much of it is in bloom. Sweet peas and violets are selling well and there is a good supply of each.

CINCINNATI On Tuesday of this week Cincinnati had the first regular sunshine in a month's time. This state of the weather is to a very large extent probably the cause of the shortage of stock in the market. Practically all receipts are selling up quickly each day and of some flowers more could be used if they were available. The rose and carnation supplies, at the



VALLEY

Splendid, well flowered spikes, the P/M quality. Can supply in any quantity.

Special	\$4.00 per 100
Extra	3.00 per 100
First	2.00 per 100

CATTLEYAS

	Doz.	100
Special	\$5.00	\$40.00
Fancy	4.00	25.00
A few extra choice	6.00	

GARDENIAS

Special	3.00
Fancy	2.00

S. S. PENNOCK-MEEHAN CO.

The Wholesale Florists of Philadelphia

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117 W. 28th St.

PHILADELPHIA
1608-1620 Ludlow St.

BALTIMORE
Franklin and St. Paul Sts.

WASHINGTON
1216 H St., N. W.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON February 11	ST. LOUIS February 8	PHILA. February 8
Roses			
Am. Beauty, Special	12.00 to 50.00	30.00 to 40.00	50.00 to 75.00
" " Fancy and Extra	12.00 to 20.00	20.00 to 25.00	15.00 to 40.00
" " No. 1	6.00 to 10.00	10.00 to 15.00	5.00 to 12.00
Killarney, Richmond, Extra	8.00 to 15.00	8.00 to 10.00	8.00 to 12.00
" " Ordinary	3.00 to 5.00	4.00 to 6.00	3.00 to 6.00
Hillingdon, Ward, Sunburst, Extra	8.00 to 15.00	8.00 to 10.00	8.00 to 12.00
" " Ordinary	4.00 to 6.00	4.00 to 6.00	3.00 to 6.00
Maryland, Shawyer, Taft, Extra	6.00 to 15.00	8.00 to 10.00	8.00 to 12.00
" " Ordinary	3.00 to 4.00	4.00 to 6.00	3.00 to 6.00
Russell, Hadley, Ophelia	4.00 to 15.00	10.00 to 12.50	4.00 to 20.00
Cattleyas, Fancy	3.00 to 5.00	4.00 to 5.00	4.00 to 5.00
" " Ordinary	1.00 to 2.00	2.00 to 3.00	3.00 to 4.00
Cattleyas	20.00 to 35.00	40.00 to 50.00	15.00 to 35.00
Cypripedium	6.00 to 10.00		10.00 to 12.00
Lilies, Longiflorum	8.00 to 10.00	10.00 to 12.50	8.00 to 12.00
Lily of the Valley	3.00 to 4.00	3.00 to 4.00	1.00 to 4.00
Violets	.50 to .75	.30 to .75	.25 to .50
Snapdragon	3.00 to 4.00	4.00 to 5.00	4.00 to 15.00
Narcissus, Paper White	1.50 to 2.00	3.00 to 4.00	1.50 to 2.00
Corn Flower			
Freesia	2.00 to 3.00	3.00 to 4.00	1.00 to 4.00
Daffodils	3.00 to 4.00	3.00 to 4.00	2.00 to 3.00
Lilac (per bunch)			
Sweet Peas	.75 to 1.50	.50 to 1.50	.50 to 2.00
Gardenias	2.00 to 35.00		5.00 to 16.00
Adiantum	.50 to 1.00	1.00 to 1.25	..... to 1.00
Smilax	8.00 to 12.00	10.00 to 12.50	15.00 to 20.00
Asparagus Plumosus, Strings (100)	25.00 to 40.00	35.00 to 50.00	..... to 50.00
" " & Sprea. (100 Bchs.)	25.00 to 35.00	10.00 to 15.00	25.00 to 50.00

time of this writing, are short of actual requirements and a part of the usual demand for these is being satisfied by turning to bulbous stock and other lines. Lilies are selling as fast as they come in, while callas have a pretty fair market. Sweet peas are in a good supply and sell well. Lily of the valley and single violets are moving nicely while double violets and orchids sell rather slowly. Dutch hyacinths have been added to the list of bulbous stock. Other offerings are baby primrose, wallflower and forget-me-not.

NEW YORK The steady conditions which have prevailed in the flower trade for the past two weeks show signs of collapsing before long. Crops are

again coming on under the influence of bright sunny weather and it will require a lively Valentine's Day demand to hold values up to the normal plane. Lily of the valley has been decidedly weak for some days past and all bulbous stock is tending downward although it is really very fine as to quality and tulips are seen in brilliant and tempting variety. Orchids are surprisingly low, not because of their abundance but for some unexplained reason. Violets are particularly good. Roses in all varieties, new and old are right up to sterling quality. Acacia pubescens is in now and among the interesting uncommon things, Daphne odorata is a taking specialty at John Young's.

(Continued on page

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Choice Cut Flowers,
West 28th St. NEW YORK
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Call and inspect the Best Establishment
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WHOLESALE FLORIST
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PHONE 608 (MADISON SQ., NEW YORK)
609

JOHN YOUNG

Wholesale Florist
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Consignments Solicited
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55 and 57 West 26th St.
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Shipping orders receive prompt attention.

THE KERVAN COMPANY

Ferns, Mosses, Wild Smilax, Galax,
Lonicera, Palmetto, Cycas, both fresh
cut and prepared.
Laurel, Hemlock, all Decorating Evergreens.
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Brooklyn's Foremost and Best
WHOLESALE COMMISSION HOUSE
A First Class Market for all CUT FLOWERS
28 Willoughby St., Brooklyn, N. Y.

M. C. FORD

121 West 28th St., NEW YORK
FINE ROSES, FANCY CARNATIONS
A Full Line of ALL CUT FLOWERS.
Telephone, 3870 or 3871 Madison Square

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24 Stone St., Rochester, N. Y.

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Wholesale Commission Florist SELLING AGENT FOR
LARGEST GROWERS

A full line of Choice Cut Flower Stock for all purposes.
The HOME OF THE LILY by the 100, 1000 or 10,000.

TEL. 1998 MADISON SQUARE 49 West 28th St., New York City

ALBANY CUT FLOWER EXCHANGE

THOMAS TRACEY, Mgr. 611 Broadway, ALBANY, N. Y.

WHOLESALE ONLY
SAVE TIME AND MONEY BY SENDING YOUR ORDER TO US
Prices Right. Consignments Solicited. Telephone Connection

HEADQUARTERS FOR NOVELTIES

ORCHIDS A SPECIALTY

THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND

GARDENIAS, DAISIES, ROSES AND CARNATIONS

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WHOLESALE FLORISTS, 34 West 28th St., New York

Telephones { 1661 } Madison Square CONSIGNMENTS SOLICITED
1665

NEW YORK QUOTATIONS PER 100. To Dealers Only**ROSES AND CARNATIONS**

		Last Half of Week ending Feb. 6 1915		First Half of Week beginning Feb. 8 1915
American Beauty, Special	to	40.00	to	40.00
" " Fancy and Extra	to	25.00	to	25.00
" " No. 1	to	15.00	to	15.00
Killarney, Richmond, Extra	to	12.00	to	12.00
" " Ordinary	to	6.00	to	8.00
Hillingdon, Ward, Sunburst, Extra	to	12.00	to	12.00
" " Ordinary	to	5.00	to	8.00
Maryland, Shawyer, Taft, Extra	to	12.00	to	12.00
" " Ordinary	to	6.00	to	10.00
Russell, Hadley, Ophelia	to	15.00	to	15.00
Carnations, Fancy Grade	to	4.00	to	4.00
" " Ordinary	to	2.00	to	3.00

WALTER F. SHERIDAN

Wholesale Commission Dealer in
CHOICE CUT FLOWERS
133 West 28th Street, New York
Telephone—3532-3533 Madison Square

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We have 20 years' experience behind us.
Telephone, Madison Square 896 and 897.

Flower Market Reports

(Continued from page 221)

PHILADELPHIA Taking into consideration what the trade has been up against all through this season, last week was on the whole one of the best we have had so far. While the prices were not as good as this time a year ago, still they held their own with the improvement noted the past few weeks, and in some cases firmed up considerably. Not nearly as many carnations. Crops seem to have let up a little with all the growers. But there were more roses—except American Beauty. The latter still continue as scarce as ever. A few more Russells were in evidence, and some nice Hadley and Ophelia are again to be seen. The recent dark weather seems to have affected the sweet pea crop a little. There are fewer of these arriving but the quality is fine. Lily of the valley is a little bit sluggish. Violets pretty good stock and moving all right. Not so many cattleyas and demand rather better. Plenty of daffodils, paper whites, freesia, tulips and other spring items—all going well at moderate prices. There does not seem to be much advance booking for St. Valentine's Day at this writing, but the trade seems quite hopeful and is putting its best foot forward. There are some fine retail window displays. That of Pennock Bros. is especially good.

SAN FRANCISCO There is some complaint among retailers, who say that decorative work for the pre-Lenten social affairs is of a less expensive nature than usual. A good deal of stock is being used, however, and with some lines rather scarce, prices are fairly maintained. Shipments of violets east for the Valentine trade are increasing rapidly but fall short of last year; while some very nice shipments of roses are going to Portland, Seattle, etc. Spring flowers have responded quickly to a few days of good weather, and prices are dropping, with liberal offerings of daffodils, freesias, China lilies, hyacinths and narcissus; though some of the stock shows the effect of too much rain. Tulips are still rather scarce, but there is a fine crop coming on. Lilies and lily of the valley are both abundant. Quite a lot of flowering peach, quince and almond blossoms have been offered. The first cinerarias of the season are shown this week and have received considerable attention. Sweet peas are still very scarce. A few early anemones have also appeared. Cattleyas are over-abundant, and a sharp break in prices is feared. Phalaenopsis also is in good supply, but very fine, and cleans up fairly well. There is still a good cut of gardenias, which are very well received. Roses are very scarce just now, though a week of clear weather would bring them out in abundance. It is hard to get enough Cecil Bruners, and Beauties also are much sought after. Carnations remain quite firm, with moderate offerings. Violets are much better in quality but the supply is excessive.

The cut flower market **ST. LOUIS** was short all of the last week and the commission men had little trouble in dis-

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Feb. 6 1915		First Half of Week beginning Feb. 8 1915	
Cattleyas	1.40	to 2.00	1.40	to 2.00
Lilies, Longiflorum	6.00	to 1.00	7.00	to 10.00
Rubrum	2.00	to 4.00	1.00	to 4.00
Lily of the Valley	1.00	to 1.00	1.00	to 2.50
Violets	1.45	to 1.00	1.00	to 1.50
Snapdragon	4.00	to 1.00	4.00	to 1.00
Narcissus, Paper White, Roman Hyacinths	1.00	to 1.00	1.00	to 1.50
Freesia	1.00	to 1.00	1.00	to 3.00
Daffodils	1.00	to 1.00	1.00	to 4.00
Tulips	2.00	to 4.00	2.00	to 4.00
Mignonettes	3.00	to 1.00	1.00	to 1.00
Lilac (per bunch)	1.50	to 2.00	1.50	to 2.00
Sweet Peas	10.00	to 25.00	10.00	to 25.00
Gardenias .....	.50	to 1.00	.50	to 1.00
Adiantum	10.00	to 1.00	10.00	to 1.50
Smilax	35.00	to 50.00	25.00	to 50.00
Asparagus Plumosus, strings (per 100)	15.00	to 35.00	20.00	to 35.00
& Spreng. (100 bunches)				

posing of their stock at good prices. Trade among the retailers was good. All light colored stock cleaned up each morning. Lent and the coming on of large crops should change the situation greatly in about another week. Prices obtained for some of the stock was "sky high," especially so in carnations and roses. Of other flowers there were enough for the demand. Cattleyas are in slow demand. There is plenty of good smilax, asparagus and other greens.

WASHINGTON Although there is a plentiful supply of bulbous stock, sweet peas, violets and other flowers, it appears that the present serious shortage of roses and carnations is creating no little inconvenience in the stores. This, however, is declared to be largely a question of salesmanship; whether, when these flowers are demanded, an effort is made to sell other varieties instead. It is said that gardenias and lily of the valley are the only flowers holding their prices; the prices on the roses and carnations are but slightly higher than they have been, but those of other classes are very low. Some extra fine tulips are now to be had and these are in fair demand.

NEW FLOWER STORES.

Glendale, Cal.—C. H. Woolsey, Grand Boulevard.
Hartford, Ct.—Geo. G. McClunie, 165 Main street.
Elizabeth, N. J.—J. W. Blakely, 80 Broad street.
Plymouth, Mass.—Chas. E. Stevens, 9 Court street.
Boston, Mass.—Ed. MacMulkin, 381 Boylston street.
Olympia, Wash.—H. Ernest Rees, 107 Fifth street.
Burlington, Ia.—Bock's Flower Shop, N. Third street.
Chicago, Ill.—Wm. Lubliner, 36 So. Wabash Ave. (About March 1.)

John M. Hunter of Englewood, N. J., is in Darlington, S. C., recuperating from a severe nervous attack. He is evidently enjoying himself, for Charlie Millang, who is one of his warm friends, has been eating quail from South Carolina of late. On his return Mr. Hunter will make a trip to California where his son-in-law, Chas. Rice is doing landscape work. In the meantime business is being pushed along by young Mr. Hunter at Englewood. J. M. Hunter is a past president of the Gardeners' Association and has many friends who wish him a speedy restoration to health.

WASHINGTON.

Adolphus Gude is recovering from a bad scalding received while endeavoring to blow out a section of a boiler at the Anacostia houses.

Bernard J. McCabe, brother of M. J. McCabe, of the Centre Market, passed away last week at the United States Soldiers' Home in this city.

William F. Gude has been appointed chairman of the membership committee of the Washington Chamber of Commerce. Adolph Gude has been chosen to serve on the retail trade committee as has Edward S. Schmid.

J. H. Small & Sons furnished one of the handsomest and most unique decorations of the season at the Hotel Willard on the occasion of the ball and bazaar for the benefit of French artists in the battle lines abroad. The whole scene was made up to represent a Parisian thoroughfare lined on either side with flower and other shops. During the evening flower girls sold boutonnieres for the benefit of the cause.

The first home garden club to be organized in the public schools of this city has been formed at the Brookland school. Back of this movement is the Parent-Teachers' Association of that school. The object of the club is to stimulate interest in both flower and vegetable gardens in the homes as well as the schools of the city and to increase the love for flowers. A show is to be held next fall and suitable prizes offered to the budding florists.

The National Lime Manufacturers' Association voted to exploit a substitute for potash essential to plant growth, at the closing session of their convention in this city. The substitute is lime treated with chlorine. J. J. Porter, of Hagerstown, Md., is the discoverer of this new process. He proposes to treat the soil with the preparation in such manner as to liberate properties necessary for plant growth, and so taken with the scheme are the manufacturers that they voted \$18,000 to give it publicity.

New York—The Greek-American Florists' Association will hold their annual ball at Terrace Garden, on Thursday night, February 25. C. Sakdos is chairman of the committee of arrangements.

Anyone desiring to join the New York party to the S. A. F. Convention in San Francisco, next August can now book for the trip with T. B. DeForest, care Lord & Burnham Company, N. Y., who is chairman of the transportation committee. Other members of the committee are C. W. Scott, R. J. Irwin, Jos. Fenrich, John Donaldson, J. Miesem and Jos A. Manda.

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R. J. Dyant, 40 State St., Boston.
For page see List of Advertisers.

AMPELOPSIS

Ampelopsis Veltchill—3-yr., extra strong roots and tops, 3 to 4 ft., \$8.00 per 100; 2-yr., strong, 2 to 3 ft., \$4.00 per 100, \$35.00 per 1000; 2-yr., good, 18 to 24 in., 50 by parcel post, \$2.00; \$3.00 per 100; \$25.00 per 1000, by express. All packed to carry safely without extra charge. CHAS. BLACK, Hightstown, N. J.

APHINE

Aphine Mfg. Co., Madison, N. J.
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APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.
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ARACARIAS

Godfrey Aschmann, Philadelphia, Pa.
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AUCTION SALES

Elliott Auction Co., New York City.
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ASPARAGUS SPRENGERI

J. E. Felthousen, Schenectady, N. Y.
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AZALEAS

P. Ouwerkerk, Hoboken, N. J.
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BAY TREES

August Rolker & Sons, New York.
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BAY TREES—Standard and Pyramids. All sizes. Price List on demand. JULIUS ROEHRS CO., Rutherford, N. J.

BEDDING PLANTS

A. N. Pierson, Inc., Cromwell, Conn.
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BEGONIAS

Julius Roehrs Company, Rutherford, N. J.
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Henry A. Dreer, Philadelphia, Pa.
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BEGONIA GLORY OF CINCINNATI
\$18.00 per 100; \$150.00 per 1000

BEGONIA MELIOR

\$25.00 per 100; \$200.00 per 1000

Strong young plants for sale cuttings. May and June delivery. Send for stock from the originators, quality our aim.

J. A. PETERSON & SONS
Westwood, Cincinnati, Ohio

BOILERS

Kroeschell Bros. Co., Chicago.
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King Construction Co., North Tonawanda, N. Y.

"King Ideal" Boiler.
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Lord & Burnham Co., New York City.
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Hitchings & Co., New York City.

BONES—CUT FLOWER FOLDING

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made. Write for list. HOLTON & HUNKEL CO., Milwaukee, Wis.

BOX TREES

BOX TREES—Standards, Pyramids and Bush. In various sizes. Price List on demand. JULIUS ROEHRS CO., Rutherford, N. J.

BULBS AND TUBERS

J. M. Thorburn & Co., New York City
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Ralph M. Ward & Co., New York City.
Lily Bulbs.
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John Lewis Childs, Flowerfield, L. I., N. Y.
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August Rolker & Sons, New York City.
Holland and Japan Bulbs.
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S. S. Skidelsky & Co., Philadelphia, Pa.
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Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
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A. Henderson & Co., Chicago, Ill.
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Burnett Bros., 98 Chambers St., New York.
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Fottler, Fiske, Rawson Co., Boston, Mass.
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C. KEUR & SONS, HILLEGOM, Holland.
Bulbs of all descriptions. Write for prices.
NEW YORK Branch, 8-10 Bridge St.

CALADIUMS

Henry A. Dreer, Philadelphia, Pa.
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CALCEOLARIA

A. M. Davenport, Watertown, Mass.
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CANNAS

Canna Specialists.
Send for Canna book.
THE CONARD & JONES COMPANY,
West Grove, Pa.

CARNATIONS

Cottage Gardens Co., Inc., Queens, N. Y.
Carnation Matchless a Great Success.
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Peter Fisher, Ellis, Mass.

New Carnation Alice.
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F. Dorner & Sons Co., Lafayette, Ind.
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CARNATIONS—Rooted cuttings: Beacon, Rosette, White Enchantress, \$3.00 per 100, \$25.00 per 1,000; Philadelphia, \$5.00 per 100, \$40.00 per 1,000.

FRANK P. PUTNAM, Lowell, Mass.

CARNATION STAPLES

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 1000 for 35c.; 3000 for \$1.00 post paid. I. L. PILLSBURY, Galesburg, Ill.

Supreme Carnation Staples, for repairing split carnations, 35c. per 1000; 3000 for \$1.00. F. W. WAITE, 85 Belmont Ave., Springfield, Mass.

CHRYSANTHEMUMS

Elmer D. Smith & Co., Adrian, Mich.
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Poehlmann Bros. Co., Morton Grove, Ill.
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Wood Bros., Fishkill, N. Y.
Chrysanthemums Rooted Cuttings.
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CHRYSANTHEMUMS—Finest Singles, Exhibition and Commercial; English Single Novelties for 1915, Choice New and Standard Singles; Best Pompons and Anemones. Send for Catalogue.

FRANK P. PUTNAM, Lowell, Mass.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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CYCLAMENS

Thomas Roland, Nahant, Mass.
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CYCLAMEN GIGANTEUM

For several years we have been working for the improvement of the Cyclamen; we offer for March and April delivery, young thrifty plants from 2 in. pots, giant white, white-pink eye, giant pink, dark red, brilliant red, at \$5.00 per 100; Glory of Wandsbek (brilliant salmon) at \$8.00 per 100. These are plants produced from our own improved strain.

J. A. PETERSON & SONS
Westwood, Cincinnati, Ohio

DAHLIAS

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange. GEO. H. WALKER, Dahlia Expert, North Dighton, Mass.

DAHLIAS.

Send for Wholesale List of whole clumps and separate stock; 40,000 clumps for sale. Northboro Dahlia and Gladiolus Gardens, J. L. MOORE, Prop., Northboro, Mass.

NEW PAEONY DAHLIA

John Wanamaker, Newest, Handsomest, Best. New color, new form and new habit of growth. Big stock of best cut-flower varieties. Send list of wants to PEACOCK DAHLIA FARMS, Berlin, N. J.

ALEXANDER'S QUALITY DAHLIAS are the best on the market; 800,000 Clumps to offer, at rock bottom prices, in full field clumps, and strong divisions. If you are looking for stock for your 1915 Catalogue, or for forcing, send at once for free catalogue. J. K. ALEXANDER, "The Dahlia King," East Bridgewater, Mass.

DECORATIVE PLANTS

Robert Craig Co., Philadelphia, Pa.
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Woodrow & Marketos, New York City.
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Pulverized Sheep Manure.

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N. J.
Well-Rotted Horse Manure.

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Hilfinger Bros., Ft. Edward, N. Y.
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FUCHSIAS

Fuchsias—Black Prince, Speciosa, double
purple and white, Rooted Cuttings, \$1.00
per 100; 2½-in., \$2.00 per 100.
W. J. BARNETT, R. D. 67, Sharon, Pa.

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Aphine Mfg. Co., Madison, N. J.
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Michigan Cut Flower Co., Detroit, Mich.
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A. T. De La Mare Printing and Publishing
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Mme. Salleron Geraniums A. H. HOOK,
well established, 2-in., \$2.00 per 100, \$18.00
per 1000. HOPKINS & HOPKINS, Chappa-
quet, R. I.

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John Lewis Childs, Flowerfield, L. I., N. Y.
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A. Henderson & Co., Chicago, Ill.
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Independence, 1st size, \$8 per 1000. Spe-
cial prices on other home grown Gladioli.
MUNSELL & HARVEY, Ashtabula, Ohio.

Gladiolus—Shakespeare, Hyde Park,
Morning Star. Good for Florists' use.
First and second sizes. Write for prices.
HERMAN H. BAER, New Hyde Park, N. Y.

First size America, \$7.00; Mrs. F. King,
\$9.00; Velvet King, \$11.00 per 1000, until
stock is reduced. Write for wholesale and
retail price lists of about 100 varieties.
G. D. BLACK, Independence, Iowa.

First size healthy Gladioli, per 1000:
Augusta, 14.00; Hulot, \$14.00; Halley, \$14.00;
King of Yellow, \$25.00; Francis King, \$14.00;
Panama, \$37.50; Pink Beauty, \$9.00; White
and Light Mixed, \$10.00. Send for list of
75 varieties, including planting sizes. F. E.
SWETT & SON, Stoughton, Mass.

Mrs. Watt, the gladiolus of quality; bril-
liant wine, one solid color, the same shade
as Hadley rose; large flower, strong spike,
robust grower; first size bulbs, \$3.50 per
100; also planting stock (¾ to ¾ inch) of
the following: America, \$1.50, Klondyke
(yellow), \$2.50; Taconie (bright pink),
\$2.75; Augusta (white), \$2.50 per 1000.
Halley, Princess, Columbia, Mrs. King,
Chicago White, Peace, Niagara, Golden
King and Pendleton write for prices.
HOMER F. CHASE, Lawrence, Mass.

GLASS

Sharp, Partridge & Co., Chicago.
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Greenhouse glass, lowest prices. JOHN-
STON GLASS CO., Hartford City, Ind.

GLASS CUTTERS

Smith & Hemenway Co., New York City.
Red Devil Glass Cutter.
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GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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GLOXINIAS

Henry A. Dreer, Philadelphia, Pa.
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GOLD FISH

Gold fish, aquarium plants, snails, cas-
tles, globes, aquarium, fish goods, nets,
etc., wholesale. FRANKLIN BARRETT,
Breeder, 4815 D St., Olney, Philadelphia,
Pa. Large breeding pairs for sale. Send
for price list.

GREENHOUSE BUILDING MATERIAL
King Construction Co., N. Tonawanda, N. Y.
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Parshelsky Bros., Inc., Brooklyn, N. Y.
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S. Jacobs & Sons, Brooklyn, N. Y.
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Metropolitan Material Co., Brooklyn, N. Y.

A. T. Stearns Lumber Co., Neponset,
Boston.
Stearns Cypress.

GREENHOUSE CONSTRUCTION

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Lord & Burnham Co., New York City.
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Metropolitan Material Co., Brooklyn, N. Y.

Hitchings & Co., New York City.

Pierson U-Bar Co., New York City.

GUTTERS

King Construction Co., N. Tonawanda, N. Y.
King Channel Gutter.

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Metropolitan Material Co., Brooklyn, N. Y.
Iron Gutters.

HAIL INSURANCE

Florists' Hail Asso. of America.
J. G. Esler, Saddle River, N. J.

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HARDY FERNS AND GREEN GOODS

Michigan Cut Flower Exchange, Detroit,
Mich.

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The Kervan Co., New York.

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Bay State Nurseries, No. Abington, Mass.
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P. Ouwerkerk, Hoboken, N. J.
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Palisades Nurseries, Sparkill, N. Y.
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HARDWOOD ASHES

Hardwood Ashes for sale. GEO. L.
MUNROE & SONS, Oswego, N. Y.

HART'S PATENT STAPLE TACK

George B. Hart, Rochester, N. Y.
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Kroeschell Bros. Co., Chicago.
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HOT-BED SASH

Parshelsky Bros., Inc., Brooklyn, N. Y.
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Foley Greenhouse Construction Co.,
Chicago, Ill.
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Lord & Burnham Co., New York City.
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A. T. Stearns Lumber Co., Neponset, Mass.

STANDARD HOT BED SASH—80c. each
Glass, 6 x 8, 8 x 10, 10 x 12 or 10 x 14. \$1.50
per box. C. N. ROBINSON & BRO.,
Dept. 29, Baltimore, Md.

HOSE

H. A. Dreer, Philadelphia, Pa.
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HYDRANGEAS

Conard & Jones Co., West Grove, Pa.

INSECTICIDES

Aphine Manufacturing Co., Madison, N. J.
Aphine and Fungine.

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Lemon Oil Co., Baltimore, Md.
Standard Insecticides.

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Nicotine Mfg. Co., St. Louis, Mo.
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Plantlife Co., New York City.
Plantlife.

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Kentucky Tobacco Product Co., Louis-
ville, Ky.

"Nico-Fume."

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Roman J. Irwin, New York City.

Nico Fume Liquid and Paper.

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IVY

English Ivy from field, 20 to 30 in., \$3.00; from pots, 30 to 40 in., \$5.00 per 100
CHARLES FROST, Kentilworth, N. J.

LEMON OIL

Lemon Oil Co., Baltimore, Md.
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LILY BULBS

Chas. Schwake & Co., New York City.
 Horticultural Importers and Exporters.
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R. M. Ward & Co., New York, N. Y.
 Japanese Lily Bulbs of Superior Quality.
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Corp. of Chas. F. Meyer, New York City.
 Meyer's T. Brand Giganteums.
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LILY OF THE VALLEY

Chas. Schwake & Co., Inc., New York City.
 Hohmann's Famous Lily of the Valley Pipe.
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Loechner & Co., New York City.
 Lily of the Valley Pipe.
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MAILING LISTS.

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ORCHID PLANTS

Julius Roehrs Co., Rutherford, N. J.
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FOR SALE The collection of the late
 Edward J. Milton. Apply to JOSHUA
 LAWSON, 1440 Beacon St., Brookline, Mass.

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PEONIES

Peonies. The world's greatest collection.
 1200 sorts. Send for list. C. BETSCHER,
 Canal Dover, O.

PECKY CYPRESS BENCHES

A. T. Stearns Lumber Co., Boston, Mass.

PIPE AND FITTINGS

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Seele's Tieless Plant Stakes and Trellises. H. D. SEELE & SONS, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
 "Riverton Special."

POTASH

German Kali Works, New York City.

RAFFIA

McHutchison & Co., New York, N. Y.
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 New Roses for Immediate Delivery.
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ROSES—Continued

South Park Floral Co., New Castle, Ind.
 New "Baby Rose" Geo. Elgar.

Rose Specialists.

THE CONARD & JONES COMPANY,
 West Grove, Pa. Send for offers.

SEASONABLE PLANT STOCK

R. Vincent, Jr. & Sons Co., White Marsh
 Md.

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California Seed Growers' Association,
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Brasilian Seed Growers Co., San Jose, Cal.

SEEDS

Carters Tested Seeds,
 Novelties in Flowers and Vegetables,
 Boston, Mass., and London, England.
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Schilder Bros., Chillicothe, O.
 Onion Seed—Onion Sets.

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 Kelway's Celebrated English Strain Garden
 Seeds.

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Geo. N. Barrie, Brookline, Mass.
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SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and
 orchid baskets always on hand. LAGER
 & HURRELL, Summit, N. J.

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STOVE PLANTS

Orchids—Largest stock in the country—Stove plants and Crotons, finest collection. **JULIUS ROEHR'S CO.**, Rutherford, N. J.

STRAWBERRY PLANTS

Strawberry Plants, twenty varieties, at \$2.50 per 1000. Catalogue free. **BASIL PERRY**, Georgetown, Delaware.

SWEET PEA SEED

Ant. C. Zvolanek, Lompoc, Calif.
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S. Bryson Ayres Co.,
Sunnyslope, Independence, Mo.
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TRITOMAS

Tritoma Pfitzerl, strong crowns. Write for prices. **THOMAS J. OBERLIN**, Sinking Spring, Pa.

VENTILATING APPARATUS

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New Offers In This Issue**GERANIUMS.**

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PAINT WITHOUT OIL.

A. L. Rice, Adams, N. Y.
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SEEDS FOR THE FLORIST.

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WHOLESALE FLORIST.

B. S. Slinn, Jr., 55 and 57 West 26th St., New York City.
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WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "Care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

HELP WANTED

WANTED—Head gardener, married man. Permanent place where several men are employed. Scotch or German preferred. An efficient, experienced man on glass and gardens. Cottage. Apply in writing, stating age, nationality, experience and family to A. B. C., P. O. Box 1723, Boston, Mass.

SITUATIONS WANTED

WANTED—To recommend married man as gardener for first-class place. English. One child. R. HEIDKAMP, Superintendent, H. W. Boettgers' Estate, Riverdale-Hudson, N. Y.

FOR SALE**FOR SALE****Four Greenhouses and Office**

Front greenhouse, 100 ft. x 25 ft., and office. Iron frame throughout, built by Hitchings & Co., New York. Three greenhouses, boiler house and work shop in rear. Large greenhouse in the rear, 110 ft. x 26 ft., two greenhouses 30 ft. x 30 ft. Steam heat. About an acre of land. Situated on Holfen Street, Danvers, Mass., on electric and steam car lines. Only eighteen miles from Boston. Danvers is a growing town with a population of 10,000. Population of 200,000 within a radius of ten miles.

Former owner carried on business for thirty years, established good wholesale and retail trade. Must be sold to settle the estate. Apply to

Mr. DAVID S. BROWN, Administrator,
130 Pine Street, Danvers, Mass.

FOR SALE—Thirty-eight years' established florist business in city of Hudson. Only one of its kind in vicinity. Grand residence; 13 large up-to-date hot houses. Big money maker all stocked and good will. Death, cause of sale. Address THOMAS & HALLENBECK, 207 Union St., Hudson, N. Y.

FOR SALE—Fresh from factory, new; 10 x 12, 18 x 18, 18 x 24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money. **PAB-SHELSKY BROS., INC.**, 215-217 Havemeyer St., Brooklyn, N. Y.

FOR SALE—Two greenhouses nicely situated with about an acre of land. Property also contains dwelling house and stable. Price reasonable. Address MRS. ALLEN, 21 Bow St., Stoneham, Mass.

FOR SALE—100 Hotbed Sashes, glazed, second-hand, in good condition, need paint, 1 row glass, \$1.00 each; 3 rows glass at \$1.50 each. F. O. B. **HENRY EICHHOLZ**, Waynesboro, Pa.

MISCELLANEOUS

Did you ever see cotton grow? Acquaint yourself with this wonderful plant—a beautiful souvenir flower. Package seeds, 10 cents, postpaid. **MRS. PAUL KAUTZ**, 621 W. Melba St., Dallas, Texas.

Horticulture Pub. Co.

Dear Sirs—Enclosed please find one dollar for another year of the HORTICULTURE. My time is not up yet, but it won't be long. All I can say about your paper is that it is the best of its kind, and I read them all.

R. I.

J. B.

In writing to Advertisers kindly mention Horticulture

PACIFIC COAST NOTES.

K. Tsubaki, a Japanese florist of Los Angeles, has sold out to T. Kawato.

Josephus Rural shop on Grant Avenue is making quite a hit with a wide line of very original Valentine novelties.

The State of Pennsylvania has increased the appropriation for its building at the Exposition, and is reconstructing its gardens.

Sebastian Simon, a florist of 1314 Third Avenue, Los Angeles, has just returned from the war zone where he has been since June. Mr. Simon is a native of Alsace, and was at Strasbourg when the war broke out, remaining in the district to aid in gathering the crops.

The third large shipment from Holland for the Panama-Pacific Exposition arrived this week, consisting of eleven carloads of rhododendrons, clipped conifers and bulbs, which will complete the most important horticultural exhibit ever made by Holland outside its own borders.

The Ways and Means Committee of the Pacific Coast Horticultural Society, met on the evening of Feb. 4 to look over designs for the souvenir program for the S. A. F. convention, but did not make any final selection. The regular monthly meeting of the Society will be held the coming Saturday.

The MacRorie-McLaren Company is still busy with Exposition work. A lot of mammoth tree ferns planted around the Australia building are coming out nicely since the rain, and a large amount of similar stock is being planted in the Hawaiian section. This company is carrying out a large planting of miscellaneous material around the Australia building, consisting entirely of plants native to Australasia.

Richard Groves, who for fourteen years was proprietor of the Park Floral Company, at 1438 Haight street, San Francisco, which he sold out recently, was struck and almost instantly killed by a Southern Pacific train at San Leandro on the night of Jan. 29. He was 43 years of age. At the time of his death he was engaged in horticultural experiments with his brother, F. R. Groves, of 5500 E. Fourteenth street, Oakland.

PHILADELPHIA NOTES.

Our good friend Thomas B. Meehan is a very busy man these days. Besides being the head of one of the oldest nurseries, he is also the guiding spirit in several important committees of the American Association of Nurserymen. He is also secretary of the Nurserymen's Protective Association, and on the executive committee and the legislative committee of the Pennsylvania Nurserymen's Association. In addition to all this the Florists' Club of Philadelphia has recently had the nerve to appoint him on the institute committee for the celebration March 5th and 6th, next.

One on the Philosopher.

Paul is a German: George a Scot. They are dear friends of twenty-five years standing. George was moralizing on the war. "Well, thank the

Pulverized Sheep Manure

From Big Feeding Barns

No Adulteration—No Weed Seeds



THIS IS THE BRAND
GUARANTEED PURE

Sheep's Head Manure is the cleanest in America. Here are the big covered corrals of the railroads, where the sheep are unloaded and kept from 60 to 90 days to fatten for the Chicago market.

We Guarantee

our product to be absolutely clean — no pig manure or other adulteration — nothing but sheep manure — dried and pulverized for easy handling, and all the weed seeds killed.

Some of the largest growers in the East have used our product for years.

Shipped in 100 lb. sacks

Write for quotations and freight rates

NATURAL GUANO CO.

815 River Street

Aurora, Ill.



NIKOTEEN For Spraying
APHIS PUNK For Fumigating

ASK YOUR DEALER FOR IT.

NICOTINE MFG. CO. ST. LOUIS, MO.

Lord, we are both of us too old now to shoulder a musket. But just think of the insanity of it. Suppose you and I at opposite sides of a trench and told to shoot each other. There would be two good men wiped off the map — and the world that much worse off and without any reason." "No," says Paul, "you're wrong there. There would only be one less Scotsman." "Is that so! How do you make that out?" "Why, donner blitzen, I'd shoot first, of course!" Ouch. G. C. W.

DO YOU KNOW THAT—

There are almost a thousand named varieties of sweet peas.

In 1854 there was not a single flower store in New York City.

The first greenhouse in America was built in New York in 1764.

Cypress wood has been known to endure for more than 1000 years.

Clean sand is one of the most important requisites for propagation.

The first American exhibition of the chrysanthemum was held in Boston.

Small and frequent shifts lead to freer growth in young rose plants than one shift to large pots.

Begonias were named after M. Begon, governor of San Domingo, about 200 years ago.

Spiraea Japonica and its varieties will now force quite readily. These should be started in a brisk heat.

An article well advertised in the trade papers has advanced letters of introduction that open the merchant's doors upon the salesman's arrival.

THE NUT-GROWER

The unique monthly publication which furnishes reliable and interesting up-to-date information regarding the value of pecans and other edible nuts and how to grow them for profit.

Subscription, \$1.00 per year

Sample Copy Free

THE NUT-GROWER

WAYCROSS, GA.

LIQUID = "NICO-FUME" = PAPER

40% Nicotine

8-lb. can	\$10.50
4-lb. can	5.50
1-lb. can	1.50
3/4-lb. can	.50

288 sheet can	\$7.50
144 sheet can	4.00
24 sheet can	.35

THRIPS, - APHIS
SPRAYING—VAPORIZING—FUMIGATING
YOUR DEALER HAS THESE PRICES

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Incorporated, Louisville, Ky.

South American Sheep and Goat Manure



We have just landed the Third 1000 Ton Cargo in New England and it is certainly as good or even better than the last. If South American Goat and Sheep Manure had not come up to the expectations of the growers who bought the first, or if we could not guarantee to furnish the same high grade article, which has built up for itself and for us such a splendid reputation from the very first start, we would never have had to send a ship after another 1000 tons. That's plain. We have an abundant supply for New England and it is our aim to keep this right up to the high standard you know it to be. It is ground fine and is clean to handle, makes an ideal liquid manure, which is safe. WE GUARANTEE OUR S. A. S. & G. M. TO BE ABSOLUTELY PURE. Spring is near and plants need feeding. For Roses, Carnations, Lilies, Ferns, Palms, or any other plants, our S. A. S. & G. M. will do just what a full meal will do for a hungry man.

Write for Sample and Price, Today.

SANDERSON FERTILIZER & CHEMICAL CO. Sole N. E. Distributors NEW HAVEN, CONN.

LEMON OIL CO'S
STANDARD
SOLUBLE IN WATER
INSECTICIDE
NO ODOR NO POISON

Guaranteed under the Insecticide Act, 1910. Series No. 321
Save your plants and trees. Just the thing for Greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrip, Red Spider, Black and Green Fly, Mites, Ants, Insects on Rose-bushes, Carnations, etc., without injury to plants and without odor. Used according to directions our standard insecticide will prevent ravages on your crops by insects.

Non-poisonous and harmless to user and plants. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pests. Excellent as a wash for dogs and other animals. Relieves mange.

Effective where others fail.
1/2 Pint...25c; Pint...40c; Quart...75c
1/2 Gal., \$1.25; Gal., \$2.00; 5 Gal. Can., \$9
10 Gal. Can., \$17.50

Dilute with water 30 to 50 parts.
For Sale by Seedsmen and Florists' Supply Houses
If you cannot obtain this from your supply house write us direct.

LEMON OIL COMPANY, Dept. K
420 W. Lexington St., Baltimore, Md.
Directions on every package

Cocoanut Fibre Soil
WAR

Does not stop the use of Humus. All seedsmen keep it in stock. It is the last word in Fertilizing Humus. Send for Prices.

20th CENTURY PLANT FOOD CO.
27 & 29 OCEAN ST., BEVERLY, MASS.



Unequalled for Greenhouse and Landscape Fertilizing
THE PULVERIZED MANURE CO.
31 Union Stock Yards, Chicago

Aetna Brand Tankage Fertilizer

Is the best balanced Fertilizer on the market, and is giving satisfactory results wherever used.
Farmers and Florists Fertilizer Company
809 Exchange Ave., Room 5, U. S. Yards, CHICAGO, ILL.
Telephone—Drover 1932.

Plantlife Insecticide

A tobacco preparation used by the best growers for dusting and spraying. Write for book of testimonials and prices.

THE PLANTLIFE CO
251 East 66th St., New York, N.Y.



The Recognized Standard Insecticide.

A spray remedy for green, black, white fly, red spider, thrips, mealy bug and soft scale.
Quart, \$1.00; Gallon, \$2.50.

FUNCINE

An infallible spray remedy for rose mildew, carnation and chrysanthemum rust.
Quart, 75c; Gallon, \$2.00.

VERMINE

A soil sterilizer for cut, eel, wire and angle worms.
Quart, \$1.00; Gallon, \$3.00.

SCALINE

A scaleicide and fungicide combined for San Jose and various scale on trees and hardy stock, and various blights which affect them.
Quart, 75c; Gallon, \$1.50.

NIKOTIANA

A 12% nicotine solution properly diluted for fumigating or vaporizing.
Quart, \$1.50; Gallon, \$4.50.

If you cannot obtain our products from your local dealer, send us your order and we will ship immediately through our nearest agent.

Aphine Manufacturing Co.
MADISON, N. J.

GEO. A. BURNISTON President
M. C. EBEL Treasurer

SCOTCH SOOT

Where there is a house that is just full of buds almost ready to show color, nothing will turn better color into the flowers than a little soot, that can be scattered over the benches before watering. The amount applied should not be excessive, as the soot is very strong and may damage some of the foliage somewhat. Apply just enough to blacken the surface of the soil in the benches, and let it go at that. Better a little oftener than too much all at once.

We offer the genuine in original cwt. Sacks, at:
\$1.00 per 112 lbs.; \$17.50 per 560 lbs.

Stumpp & Walter Co.
30-32 Barclay Street, NEW YORK

When writing to advertisers kindly mention HORTICULTURE.

Est. 1765

FOR "POT LUCK" USE

Inc. 1904

Pot Makers for a
Century and a Half**HEWS STANDARD POTS**World's Largest
ManufacturersWrite for Catalogue
and Discounts**A. H. HEWS & CO., Inc., Cambridge, Mass.**Warehouses:
CAMBRIDGE, MASS.
NEW YORK, N. Y.**MASSACHUSETTS AGRICULTURAL
COLLEGE.**

During Farmers' Week at the College, two days, March 16 and 17, will be entirely devoted to floriculture. On these dates several prominent floricultural men will speak. In connection with this series of lectures a Spring Flower Show, occupying the entire first floor of French Hall, will be held.

The Short Course in floriculture has been in progress since the first week in January. Fifteen students are enrolled, the registration having been limited to this number in order that more personal supervision might be given and more efficient work done. Several observation trips to commercial greenhouses are included in the course.

Two seminars are being given this semester for the regular college students; one in Commercial Floriculture conducted by Prof. Nehrling and one in Plant Materials for Garden Work by Mr. Thurston.

NEWS NOTES.

Worcester, Mass.—The market gardeners of Worcester county have joined forces to fight the middlemen, wholesalers and commission merchants, and have started their attempt to place products directly in the hands of the retailer or the consumer. The gardeners have incorporated themselves into a co-operative organization with a capital of \$10,000 for this purpose.

Rumson, N. J.—George R. Kohn, who for years had been employed in the Borden greenhouse, has taken a position with Bertram H. Borden and is now in charge of the Borden greenhouses on the B. H. Borden property, which was recently bought from the Cornelius N. Bliss estate. Many large ornamental plants that are owned by Bertram H. Borden are being moved from the large greenhouse on the Howard Borden property to Mr. Borden's greenhouses on the former Bliss property.

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CONTEMPLATED.**

Long Branch, N. J.—John Kemp, one house.

Tyrone, Pa.—William H. Brause, one house.

Jamestown, N. Y.—Grant Babcock, additions.

Rumson, N. J.—Howard S. Borden, additions.

St. Albans, Vt.—Kennedy & LeDuc, house 12 x 160.

Newport, R. I.—Thomas Gibson, 70 ft. palm house.

Woodlawn, N. Y.—A. Friedman, one house 38x140 and two smaller ones.

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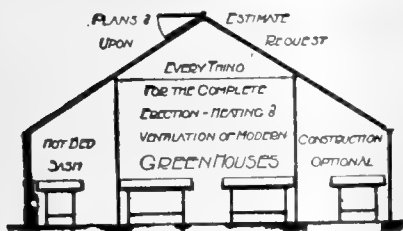
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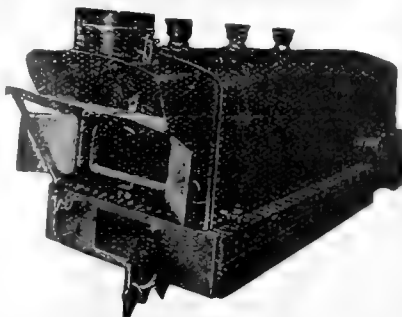
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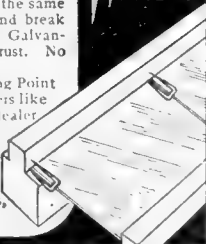
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Fifty White Finchantress—Second.

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Vol. XXI
No. 8
FEB. 20
1915

HORTICULTURE



A Group of Cypripediums

Photo by M. J. F.

Published Every Saturday at 147 Summer Street, Boston, Mass.
Subscription, \$1.00.

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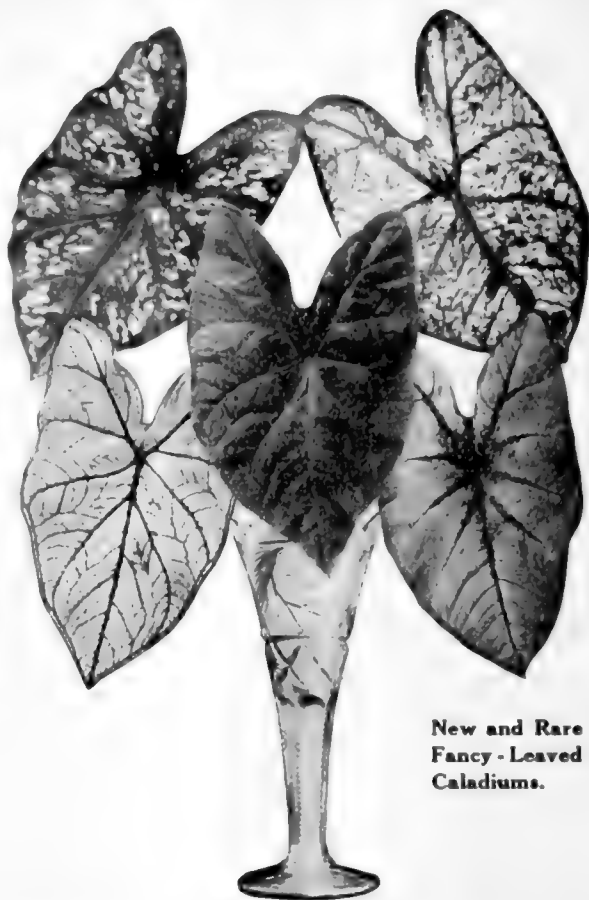
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		\$0.40	\$2.00 \$18.50
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Best strain in existence.

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LILY BULBS

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CYPRIPEDIUMS

Cypripediums constitute one of the most satisfactory genera among the great family of orchids. They are of comparatively easy culture, for the most part free flowering and the flowers have great lasting qualities either cut or left on the plant. For the commercial grower there is in my estimation no better variety than the old and reliable *C. insigne* in its various forms. *C. villosum* and *C. Boxalli* are other good free-flowering species. I have about two dozen plants of *C. insigne* which for over ten years have annually produced in the neighborhood of 400 flowers—this winter over 450; one plant alone once bore 37 flowers. There are few other cypripediums that will do that. *C. villosum* and *C. Boxalli* are occasionally very free flowering, but I find when a plant of these goes to extremes one season it will not flower nearly so good for several seasons thereafter. Once I had a plant of *C. villosum* in a 12 inch pot produce 65 flowers, the most I have ever had on one plant of any variety.

Cypripedium Spicerianum is good, but too short in stem, but united with the foregoing species it has given us hybrids of first-class quality in their various combinations. The many forms of *C. Leeatum*, *C. Lathamianum*, *C. aurea*, etc., are all good in color and free flowering. This last point is all-important to the commercial grower who grows for the wholesale market or his own retail trade. Most of the fancy, choice cypripediums one finds in private collections are too shy-blooming and slow-growing to be profitable, and, moreover, the difference in price between good free-flowering cypripediums and the fancy varieties is very great when one comes to buying plants and very small when one comes to sell the flowers.

The best time for repotting cypripediums is soon after they get through flowering. Small plants can be shifted into pots about two sizes larger, say from a 4 or 5 inch to 6 or 7 inch, etc. Specimens can go in pots as large as 12 inch. Cypripediums, like all other orchids, dislike root disturbance and should therefore not be molested more than is absolutely necessary. By giving them a pot at least two sizes larger and by using a good lasting compost, repotting will only be necessary at long intervals. A *C. insigne* will give a good crop of flowers annually for six and even eight years after being once potted. Where it is desired to increase the stock, the plants should be divided before repotting and

each piece potted separately in not too large a pot. Careful potting is essential. While holding the plant in one hand, spread out the roots carefully with the other and fill in between them to within a few inches of the rim with broken potsherds, then fill up the remaining space with a compost consisting of osmunda fibre two parts, good fibrous loam one part and some old cow manure, about half as much as of loam. For very large pots the depth of compost can be accordingly more, but should never be more than one-third the depth of the pot. Too much compost will prove fatal, because it will hold the moisture too long.

The compost must be open enough to let the water run through quickly. This compost will suit all such free-growing varieties as *C. insigne*, *C. villosum*, etc. For the choicer varieties and especially those with mottled leaves more of the osmunda fibre is used and less loam; here the manure can be left out entirely or used only sparingly. After repotting the plants must be watered sparingly for several weeks, but may be syringed freely and the surroundings kept moist by frequent damping down of the floors and between the pots. Plants that have only been shifted into larger pots will re-establish themselves much quicker than those which were cut up. Choice varieties of which stock is scarce are best grown in shallow pans suspended from the roof of a warm house and the addition of a little live sphagnum moss to the compost recommended for the warm growing section will be of great benefit to them.

Cypripediums can be grown out-doors during summer to good advantage either in lath-covered frames

or under tall trees, but one must be able to get at them with the hose easily as they will dry out much quicker out doors than they would in a greenhouse. Frequent syringing will keep away insect pests especially thrips, which sometimes become very troublesome out-doors. Established plants of cypripediums need a good supply of water at the roots at all seasons of the year and up to the time the flowers begin to open a weekly application of weak liquid manure will be of great benefit to them. For this purpose nothing beats the old cow manure if it can be had. Put a pailful into a 50 gal. barrel of water and of this stock solution use about one quart to ten quarts of clear water.

N. J. O'Keefe



CYPRIPEDIUM JUNO (life size)
(*C. callosum* × *C. Fairleanum*.)

M. J. O'Keefe

NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil." *L. P.*

Dahlias

Dahlias can now be started in deep boxes or in a bench where there is a night temperature of about 60 degrees. They may be placed close together and covered with soil, and if kept moderately moist they will soon throw up a fine growth. When the shoots have reached a height of about 4 inches they can be taken off and potted in a propagating bench with bottom heat of 60 degrees, and atmosphere about 5 degrees less. Give care in shading and necessary watering.

Lily of the Valley

For cut flower purposes a fresh batch of pups should be planted in the cases once a week. They should flower within three weeks now. It is too early yet to start plants for Easter unless they are brought along in a moderate cool house. Six weeks in a temperature of 50 degrees will flower lily of the valley now, or four weeks in 40 degrees more heat. This refers to plants in pots which do not now need to be drawn up in the dark, but can go to the light at once. Be very careful when watering not to wet the bells; the dryer they are kept the better. When the bells are fully out they can be cut for use with care, and then them.

Calanthes

Now is the proper time to start the bulbs for mid-winter flowering of calanthes. A good way is to place them in a flat with some moss on the bottom. On this they can be arranged close together. Fill in and cover with soil to the top of the bulb. Set in a propagating bench where there is a temperature of from 65 to 70 degrees at night and on a bench where they can have a vigorous bottom heat. Be very careful in watering until they are well started; they should only be kept moderately moist. When they have made a fair amount of roots they can be potted in a mixture of two parts coarse fibrous loam, one part well drained and decayed cow manure, and some gritty sand. They do well in moderately deep pans, but pots will also do. You can either use three strong bulbs to an 8-inch pan or pot, or one bulb in a 5-inch receptacle. Fill the pots one-third with broken crocks to insure good drainage and pot as firmly as possible.

Subtropical Bedding Stock

The out-of-town florist usually has customers who have extensive grounds and lawns where such plantings can be made use of to the best advantage. Nothing, perhaps is of more value for the center of a group than one or more specimens of *Musa*, or bananas, of which there are quite a number of splendid sorts. *M. ensata* is one of the best, *M. superba* is as beautiful but more compact and so is *M. zebrina*. Such beds are well adapted to the display of large flowering cannas, as well as those with beautiful foliage. The different eulalias, such as *E. Japonica foliis striatis* and *E. Japonica zebrina*, all fine ornamental grasses, are useful and so are the caladiums. Most all these subtropical plants like plenty of heat, so in order to keep them at top-speed in growth give them not less than 60 degrees at night.

Propagating Violets

When propagating violets it pays well to examine the plants that cuttings are taken from, and discard any that show the least trace of disease or spot. Conditions will be right from now and up to the first of April for the propagation of violets. When taking off cuttings see that they are not allowed to wilt at any time before or after they are inserted. They can be put in sand in a propagating bench in a cool house not any higher than 45 to 48 degrees. They also root well in boxes that are well-drained and filled with sand. Do not overwater the cuttings and on the other hand see that they do not become too dry. Give frequent sprinklings, but always see that they have a chance to dry off before night fall. When rooted they can be boxed off. Give plenty of ventilation whenever possible. When they become firmly established shading will only be necessary on very bright days.

Propagate Heliotropes

Cuttings can now be taken from the stock plants and with care and attention another batch will soon follow. When they are rooted pot into 2 1/2-inch pots and grow on.

PROPAGATING CALIFORNIA PRIVET.

Editor of HORTICULTURE:—I have a question to ask. Please advise me how to propagate California privet in quantity. I have a large quantity of cuttings from a tree in Floral Park, N. Y.

C.

The method pursued by those who propagate California privet in quantity is simply to cut the 1-year wood into lengths of three or four inches and line them out in drills. The cutting is done by a machine, similar to a stalk cutter and there is, we believe, also a machine for placing the cuttings in the furrows. They can be cut in fall

and buried until spring, when they can be placed in the rows 2 to 4 inches apart and will grow readily. To make bushy plants pinch in the young growths frequently.

BOSTON FERNS TURNING BROWN.

Editor of HORTICULTURE:—Can you tell me the cause of the fronds of Boston ferns turning brown at the ends after making a growth of nearly two feet? Temperature of the house about 60 degrees, and 60 to 65 days, with constant moisture, on fine days always syringed in the morning. They are very young plants in tubs.

Sprague, Mass.

Your ferns are undoubtedly losing their energy because of their age. The temperature of your house is about

right and the treatment seems correct, so we can place the cause of the fronds turning brown only to the age of your plants. It would be advisable to break up the plants into smaller plants repotting in fresh soil and thus rejuvenating them.

THE GREEN ROSE.

Editor of HORTICULTURE:—Kindly inform me through your valuable journal where I can buy the green rose, also the name of same, and oblige.

N. J.

The green rose is not very generally cultivated, but we believe you can procure it from W. A. Manda of South Orange, N. J.

ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur Ruzicka

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

Manure for the Late Mulches

Never allow the supply of manure to give out. To keep a continual supply of good manure on hand it will be necessary to get it in a good deal ahead of the time that it is needed, so that it will have a chance to decompose and become more serviceable to the plants. We have been compelled to use fresh cow manure several times, but there is nothing to gain by this method, and everything to lose. It takes a good deal more time, as the fresh manure cannot be applied to all the benches all at once, and this means stretching out the work. If there are no manure sheds on the place it will pay to have one built. This must not be put down as an expense, for a well built manure shed is a great asset on any place using any amount. We have tried several experiments to do without manure but find that it is best to use it, although sheep manure and bonemeal can be used at times to replace a part of the cow manure. As the manure comes from the car or the stables, it is best to have it piled up in heaps about three feet high, and with nice square corners and flat tops. It costs only a very little more to do this, and makes the manure pile look much more pleasing to the eye. Leave space on one side so that the heap can be turned over as soon as necessary, and this should be done about three times if the manure is fresh when heaped. Be sure to put a layer of good sod under the pile, at least six inches thick, and this will take up all the liquids that may leach out. It will not be necessary to mix this sod into the manure unless you wish to do so, as the manure can always be used off the top, and the sod used where it will bring in best results. Now is the time to get some in for the late mulches, as with the rush of spring work, this item is bound to be overlooked, and a good crop of roses lost because the plants are starving.

That Easter Crop

Although there are times when the prices around the holiday will be a little higher, we would not try to check the plants any to hold a crop for that day. There will be a great many plants, and other cut flowers grown especially for this day, and the prices that will be paid for roses may not be any larger than a little before. Plants that are held back too severely for a time will take quite some time to come back to their bearing again, and this loss of flowers will reduce the gain that was made when the plants were held for a holiday. Buds should now be well formed if they are to be on time, although with good clear weather even the small

buds will be on time. Feed the plants carefully with the crop coming on, and leave this off as soon as the flowers show color well.

Blind Wood on Beauties

Now that we have promise of longer days, and let us hope more sunshine, some of the blind wood that the Beauties may carry can safely be removed. This should not be done unless the plants have flowering wood to keep them. As a rule there will not be blind wood on Beauties, but if there is, it will only be in the way when the plants are syringed, and will be a nuisance when the plants are being tied. It makes ideal roosts for spiders to start and it is hard to get them out when they become established. These will be all the more troublesome when the spring comes, so it will be well to do all possible to keep them out. In cutting this wood away, cut it the same as you would cut flowers, and the breaks that will follow may bear flowers themselves.

The Young Plants

These should be carefully watched all the time, taking one out of a pot every now and then to see how the roots are working, and how the plants are being treated in regard to watering. Often it will happen that the plants are not doing well, when on dumping one or two it will be found that they are too dry around the bottom of the pots. It will take several waterings to saturate all the soil if the plants get into this condition, and care should be taken not to let them get that way again. Another thing that must not be overlooked as the plants grow, is to keep the smaller ones to the front all the time, moving the taller plants to the rear of the bench—or the north side, if the houses run north and south. If the smaller plants were allowed to remain among the taller ones, they would become weaker and weaker, and would not amount to anything, whereas if they are moved to the front they will become nice sturdy plants, same as their taller brothers. It will make it easier to water too, as the taller plants will not dry out so fast in the rear, and they need more water, so they will not be hurt. The smaller plants in the front will not need so much water, and will dry out better, evening the whole lot pretty well, and making it possible to water the whole bench, except an occasional watering of the plants in the pots of the first row on the front and rear. To keep these even with the rest it will be necessary to water these first, and then water them again when the rest of the plants are watered.

GROWING SCHIZANTHUS AND MIGNONETTE

Editor HORTICULTURE:
Will you or some of your correspondents please give me full instructions as to the cultivation of Mignonette and Schizanthus for winter blooming?
New York

Schizanthus is grown from softwood cuttings. For winter blooming the

cuttings should be taken in spring and kept at a cool temperature, about that used for violets, all the time. Ordinary friable, good loam will do; no chemical fertilizers and just a little rotted sheep or cow manure. The principal feature in growing this crop is the cool temperature.

A. LECHY

Mignonette seed should be sown in late July or early August and the house kept as cool as possible all summer, if the plants are wanted in bloom for Christmas. Use a well rotted heavy loam and add rotted manure at intervals.

W. N.

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ambitious display, none so distinctly offers a fair field to the sturdy old man, woman or child whose purchase, be it ever so trifling, acceptably fills its intent and is as treasured as that expressed by a million times as costly. The florists do well to feature this day and encourage its popular observance. Reports from all sides show that this season's publicity campaign has brought forth good fruit and there can be no question that it followed up each year on the same lines. St. Valentine's day may soon be classed as one of the four great floral holidays.

We hope that the admirable enterprise and courage of the New York horticultural interests, trade and professional, in putting up another gigantic Spring show this year will meet with the liberal public patronage which it so well deserves. The present year has much in it to dampen enthusiasm for ventures dependent upon the financial support of the public. We know that our New York friends have realized all this and are exerting every effort to cover in all contingencies so that a balance on the right side may be assured in advance. The horticultural fraternity far and near can do very much to assist to this end. A great deal depends upon how well they come forward to make the show what it must be to honestly command the attention of the public. When New York scores a great success the entire profession shares in the honor which follows. On the other hand, should it meet with discomfiture then the prestige of the flower industry all over the country must suffer to a greater or less extent.

And now comes abstemious Lent, that bugbear of the florists' existence. "Not so bad, nowadays, as it used to be," the retail dealers assert. Whether the people have relaxed the austerity of its observance or whether the abundance and cheapness of flowers at that period in recent years has so delighted the retail people that the world looks bright to them under any circumstances, or whether the modern publicity methods which some florists have been applying to their business is responsible for this more satisfactory condition we are unable to say. But we do believe that the sale of flowers may be increased to a still greater degree by a more general and persistent advertising to the public during that period. This is the time, in our humble opinion, when the florist should industriously push his publicity and not so much at Christmas and Easter, when he is already assured of all the business he can properly attend to and when sales beyond a certain limit mean high prices and dissatisfaction. The lenten season comes at a period when the market is loaded down with an exuberance of flowers, when prices are at the lowest point and quality is at its best and this fact should be hammered into the public apprehension. If advertising investment is ever advisable for the florist then Lent is preeminently that time.

St. Valentine's Day

"Hail to thy returning festival, old Bishop Valentine! Thou venerable arch flamen of Hymen. Like unto thee, assuredly, there is no other mitred father in the calendar." Here is one of the days that belong to the florist. No other day in the year carries more of sentiment, none where flowers can better express the conception of its meaning. The occasion is one that calls for small and dainty gifts rather than

F. J. DOLANSKY

Frank J. Dolansky has built up a remarkable business since 1904, when he erected his first greenhouse in Lynn, Mass. He is now the possessor of twenty-five houses and a splendid, well established retail store in the shopping district of the town. Ten years ago he bought three-fourths of an acre of land with a small greenhouse, which had been used for forcing vegetables. Today, a stock, principally of orchids and gardenias, is grown under 80,000 square feet of glass, cutting from 35,000 orchid plants and about 10,000 gardenia plants. Mr. Dolansky came from Bohemia to this country when he was 18 years old and started working in greenhouses around Lynn. He is still in his thirties, virile and active, and continually planning the development of his business.

The houses are built on the southern side of a hill on a moist gravelly soil which gives off sufficient moisture to keep the air in the best possible state for growing orchids and gardenias. What with this southern exposure, glass close to the plants, and heavy humidity, conditions are ideal for producing the large and finely colored cattleyas for which Mr. Dolansky is noted. There are also several houses devoted to roses and carnations, which are disposed of through the retail store.

Hundreds of plants are imported every spring and early summer, mostly cattleyas, which Mr. Dolansky grows extensively. His favorite variety is *Cattleya Trianae*, which in his opinion is the best commercial orchid grown. It is a rather slow producer of blooms, but it comes out in many and ex-



F. J. DOLANSKY

quisite variations and blooms in mid-winter when the demand is greatest. *C. labiata* blooms more freely, but comes too early in the winter, in fact in the fall, to command the prices of the mid-winter. We noted a fine plant of the valuable *Cattleya Trianae alba*. There was also a plant of *C. Trianae* which produced freak blossoms, coming out with double parts, double lips, two pairs of petals, wings, etc. Some work in hybridizing is being done, but it has not been carried far enough as yet to show any definite results. We noted a germinating case in which

were orchid seeds germinating on turkish towelling covering the damp moss underneath. Mr. Dolansky stated that this method was cleaner and safer than starting seed on the moss surface itself, as fungi were liable to injure the young seedlings. A plant of *C. speciosissima* was shown which had three blooms to every stem, where most growers feel lucky if they can get one or two.

Dolansky grows some splendid gardenias, which find but few competitors in either the Boston or New York markets. In fact, he practically controls the Boston market for gardenias, and finding the local market an insufficient outlet for his products, he sends much of his stock to New York. In his opinion the gardenia is not to be classed as a popular flower as it is rather frail and expensive and is used mostly by the very wealthy class of flower lovers, who go so far as to use them in finger bowls to scent the water—a very pretty custom. He grows them all the year around, continually keeping a batch of hardwood cuttings in the propagating bench.

Mr. Dolansky claims a rosy future for the orchid, which he finds is becoming more and more popular. Flower-buyers are getting educated to their use, realizing that they are long lasting and that just as much show can be secured from one or two cattleyas as from a bunch of 100 violets. And nowadays, what with the modern one-step and fox trot, the light spray of orchids and lily of the valley worn on the arm or shoulder are much more adaptable than the heavy bouquet of violets worn at the waist. S. L. F.

PACIFIC COAST NOTES.

C. J. Uhl and C. R. McBride are starting a nursery near Vacaville, Cal.

The California State Floral Society held a meeting, Feb. 12, at Red Men's Hall in this city. The principal feature was a lecture on "Annuals," by A. R. Gould.

The City Park Board of Spokane, Wash., at a recent meeting decided to invite park commissioners, florists, etc., to stop off at Spokane on their way to attend the conventions in San Francisco next August.

Richard Iwerson, landscape architect, formerly of Calgary, Alta., has become connected with the Washington Nursery Company of Toppenish, Wash. Mr. Iwerson changed his location on account of his German birth, which made things rather uncomfortable for him in Calgary after the beginning of the war.

The curbs of Chinatown, San Francisco, are now lined with vendors of China lilies and blossoming fruit tree cuttings, in preparation for the Chinese New Year celebration. The sale of the China lily plants is by no means confined to Oriental buyers, though the cut flowers are handled to a considerable extent by white florists.

At the meeting of the Pacific Coast Horticultural Society, Feb. 6, an interesting exhibit was that brought by F. D. Pelicano, consisting of a half-dozen bunches of a new single pale lavender violet originated by him. It was rated

at 90 points. The other exhibit, a fine lot of white phalaenopsis by the MacRorie-McLaren Company, was rated at 95 points. The attention of the meeting was largely occupied with preparations for the S. A. F. convention.

PERSONAL.

Otis L. Kent, the North Atkinson street florist, Newburyport, Mass., fell on Friday morning last and broke one of his legs. A physician was called and the fracture was reduced.

Alfred Demeusy of Brooklyn and Miss Marjorie Converse of Bensonhurst, L. I. were married in Brooklyn on the evening of Tuesday, February 2. The church was very prettily decorated.

James Scott, who has been in charge of Mrs. Charles R. Hayden's estate at Magnolia, Mass., for the past twenty-two years is now about to assume the position of superintendent of Mrs. C. A. Sinclair's estate, Cedarhurst, West Gloucester, Mass.

A recent letter from Robert Hunnick, of Newport, R. I., tells of his arrival at Santa Barbara, Cal., he having been ordered by his physician to make a change for a while owing to mental and nervous depression since the death of his wife. He writes enthusiastically of the scenery of the grand canyons and other picturesque sections passed through on the trip westward and proposes to return via the Panama Canal.

VISITORS' REGISTER.

Geneva, N. Y.—Joseph Prior, Wolcott, N. Y.

San Francisco—Mark Ebel, Sacramento, Cal.

Pittsburgh, Pa.—Frederick W. Arnold, Cambridge, Ohio.

Washington, D. C.—C. Albert Small, of J. H. Small & Sons, New York.

New York City—P. Welch, Boston; Col. W. W. Castle, Boston; A. Farnwald, Roslyn, Pa.

Chicago—J. M. Hoffmann, La Porte, Ind.; W. S. Clark, Columbus, O.; Miss A. J. Pennock, Sumter, S. C.

Boston—M. Selinka of Schloss Bros., New York; J. Muller of Julius Roehrs Company, Rutherford, N. J.; E. J. Harmon, Portland, Me.

St. Louis—Frank Farney, Philadelphia, Pa.; John Burback, representing McCallum Co., Pittsburgh, Pa.; A. Schwerin of Burlington, Iowa.

Cincinnati—George Lampert, Xenia, O.; I. Bayersdorfer, Philadelphia, Pa.; Walter Mott, representing the Hammond Paint and Slug Shot Works, Beacon, N. Y.

Philadelphia—L. J. Reuter, Westerville, R. I.; Robert Scott, of the William Scott Co., Buffalo, N. Y.; Joseph A. Manda, West Orange, N. J.; Charles L. Schmidt, Harrisburg, Pa.; George Smith, superintendent of parks, Allentown, Pa.; Arthur Herrington, Madison, N. J.; Joseph J. Hill, E. G. Hill Co., Richmond, Ind.; W. C. Lanebridge, Albany, N. Y.

A noteworthy feature of the regular monthly meeting of this society was the remarkably fine display of cut flowers and plants. Also the very large and enthusiastic attendance. The meeting was held in Doran's Hall, Greenwich, Conn., Friday evening, Feb. 12. For the annual fall exhibition John Canning offers a sweep-stake prize of \$20 in gold for the best chrysanthemum bush plant. A. N. Pierson Co. offer special prizes in four

classes. Visitors present were Chas. H. Totty, M. C. Ebel and Arthur Herrington of Madison, N. J., A. L. Rickards of Stump & Walter Co., New York City, and W. J. Collins of Carter's, Boston, Mass. The visitors all favored us with a few remarks. Mr. Herrington as manager of the International Flower Show spoke at length outlining the plans and preparations.

Hon. John M. Brown, Mayor of Stamford, also addressed the members. The lecturer, Henry Kelly of New Caanan, Conn., interested the members to a marked degree in his paper on coniferous trees adapted to Westchester and Fairfield counties. Chas. Ryan, Portchester, N. Y., read an instructive essay on the culture of sweet peas for exhibition. New roses were exhibited by Chas. H. Totty. S. J. Reuter & Son of Westerly, R. I., staged two fine vases of Killarney Brilliant and Crimson Queen. The John Canning prizes for the best vase of roses was awarded to Jas. Stuart for a grand vase of Killarney Brilliant. The second prize was won by Robert Grunnert for a fine vase of the same variety. Other awards were as follows: Robert Allen, cultural certificate for mignonette; Jas. Linane, hon. mention for cyclamen; Robt. Allen for cinerarias; Wm. H. Fisher for carnations; Robt. Grunnert for carnations; A. Wynne for *Primula malacoides*; P. W. Popp for basket of miniature pink hyacinths and lily of the valley. Vote of thanks to Patrick Fairfield for sweet peas; A. Wynne for stocks; P. W. Popp for *Erica codonoides*. Next meeting March 12th. Prizes will be offered for the best exhibit. Get busy.

P. W. POPP, Cor. Sec.

NEW YORK STATE FEDERATION OF FLORISTS' CLUBS

The convention of the State Federation at Ithaca was a great success although it was regretted that W. F. Kasting was unable to be present. Delegates from New York were, Leonard Barron, Max Schling, A. J. Guttman and John Young; from Rochester, C. B. Ogden, H. E. Bates; from Albany, Messrs. Tracey, Henkes and Shaw. There was a very creditable exhibit of all the newer carnations and roses. Prof. White took great care of all the delegates and they were delighted with the treatment and hospitality shown them.

CLUB AND SOCIETY NOTES.

The Lady Florists' Home Circle of St. Louis met at Mrs. Theo. Miller's home on Delmar avenue, Wednesday, Feb. 10, and spent a pleasant afternoon. Mrs. C. Bergestermann will entertain them on Wednesday, March 10, at her home on South Grand avenue.

The Rochester Florists' Association at its meeting February 8, appointed George B. Hart, F. L. Kelley, A. H. Salter, Harry E. Bates and Charles H. Vick to co-operate with the Industrial Exposition Committee in planning for a flower show to be held at Exposition Park in connection with the annual exposition. A return bowling match between the Florist Club of Buffalo and the Rochester Florists' Association will be held in this city soon.

News Items from Everywhere

BOSTON

B. J. Wall & Son have opened up a new florists' shop at 12 Birch street, Roslindale.

The new conservatories for the city of Boston have at last been decided upon and work will begin very shortly in the Fenway.

Henry Collins, formerly with Penn and several other local florists, is now manager of F. J. Dolansky's store in Lynn, which is being remodelled.

The annual banquet of the Gardeners' and Florists' Club of Boston will be held on Wednesday evening, March 10 at the New American House. Tickets will be limited to 300, \$2.00 each.

Several prominent local growers, who make a specialty of plants, predict a scarcity of palms, araucarias, bay trees, etc., this year. They state that very little importing will be done, since in the short space of a week freight across the ocean has gone up 400 per cent., which will make the prices of these plants almost prohibitive. Plant trade has been rather poor around here, lately, and this bit of news is not very welcome.

St. Valentine's Day was a big event for Boston florists this last week. Violets in heart-shaped boxes were advertised extensively in the newspapers. The magnitude of the business done can be estimated by the fact that over 200,000 violets were sold by Penn, alone, fifteen men working six hours to fill orders for the early morning trains Saturday. All day Friday and Saturday the activity resembled that at Christmas time.

Another meeting of growers and wholesalers took place last Saturday for the purpose of forming a credit protective association. W. H. Elliott of Brighton acted as temporary chairman. An interesting discussion took place in which N. F. McCarthy, J. M. Cohen, W. C. Stickel, John Cummings and several others took active part. There were no retailers in attendance and those present allowed themselves a little freedom of expression in describing the evils of the present system. Finally the formation of an association on a collection and information basis was agreed upon. A charter was framed, which was signed by twelve of those present. N. F. McCarthy heading the list. The new society will start business under the name of The Flower Growers' Protective Association. Letters will be sent to the growers and wholesalers in Boston and vicinity and much publicity will be given to this to interest the several hundred florists finding their market in Boston.

WASHINGTON.

The most successful food show ever held in Washington is now in progress at the Center market. This place is crowded daily with throngs of people and the florists having stands there report doing an exceptionally good business. All of the florists have prepared special decorations and among those most worthy of mention is that of J. M. Hammer & Son. An excellent collection of primroses, cyclamen,

geraniums, and other potted plants and ferns represent the salable stock. Robert Bowdler & Sons are distributing miniature flower pots to passersby while other stands offer bookmarks, blotters and other advertising matter. The florists making displays include M. J. McCabe, Fred H. Kramer, Garden & Robey, John Boyle, Robert A. Bowdler, J. M. Hammer & Son, P. Herrold, John R. Morgan, Constant Ponnert, Frank L. Schultz, Frank Slye, D. H. Von Bottger and G. Milton Thomas & Co.

PHILADELPHIA.

A postal from Charles Sim and party dated Chicago, Feb. 10, reports all well and leaving there on that date. Next stop—San Francisco.

The double blue cornflower has become of late years a staple article on the cut flower market and is very popular. This form was picked up in his trip through Europe in 1906 by George D. Clark of Dreer's and introduced in America by that firm in 1907. We are told on good authority that Dreer's have made enough on this one item in the past seven years to cover the cost of Mr. Clark's trip seven times over.

An exhibit of the new carnation "Debutante California" was seen at the Pennock-Meehan Co.'s. It is a splendid variety as to color, stem, size and substance. The color is of the same tint of pink as "Gorgeous"—a little brighter if anything, we think, but we did not have the two side by side. This is a new seedling raised by Deiner & Co., California. The flowers under review were grown by Chas. B. Herr, Strasburg, Pa. Mr. Herr is non-committal as to the variety, as the half dozen plants he tried were not in the best shape when planted. So far, it looks to be a late bloomer. To be fair, further tests are necessary.

Arrangements for the Farmers' Institute meeting on March 5 and 6 under the auspices of the Pennsylvania Horticultural Society and the Florists' Club of Philadelphia are now well advanced and a complete program will be issued in a few days. In addition to the official speakers of the Department of Agriculture of the State of Pennsylvania there will be some local talent who will help to round off the entertainment. Among them will be George W. Kerr, the sweet pea enthusiast; Dr. Robert Huey, the Dean Hole of American rosarians; Theodore Roberts, champion cattle breeder of this locality, and Robert Pyle of canna time from West Grove.

PITTSBURGH, PA.

W. C. Beckert, seedsman, of 101 Federal street, North Side, has an interesting window-box display of French Endive, Asparagus palmetto and various other "growing things" of the vegetable kingdom flanked by an attractive border of narcissi.

The Brooks Flower Shop was opened last Monday simultaneously with the handsome new Davis Theatre on Smithfield street, being conveniently located in the Arcade thereof. Mrs. Rose Bradley Brooks, who was formerly with Ray J. Dasebach, is the

EVERYBODY NEEDS THIS!



For securing Cut Flowers, Plants and Floral Designs in Cardboard or Corrugated Boxes.

HART'S PATENT STAPLE TACK

For immediate use in *Box of Any Size*, with wooden strip of any length or form.

Efficient, Handy, Cheap.

PRICES: \$4.00 per 1000; 50c. per 100

DISCOUNT TO JOBBERS.

GEORGE B. HART,

**24 STONE STREET
ROCHESTER, N. Y.**

proprietress. The A. W. Smith Company furnished the decorations for the "house-warming" of the theatre.

Randolph & McClements furnished the handsome flower decorations for the Thaw-Slade wedding Tuesday afternoon, which was the most notable event of its kind in years. Mrs. E. A. Williams contributed in her line to the bankers' banquet at the Hotel Schenley. Spring blossoms entered largely into the table decorations, while the white lattice screening the orchestra was overrun with Taft roses. Earlier in the week the Bank also at the Schenley. Mr. Daschbach contributing the decorations. His work was also conspicuous at the handsome Japanese ball of the Edgeworth Club last Friday evening.

CHICAGO.

Miss A. J. Pennock of Sumter, S. C., visited Chicago this week looking for peony hints. Miss Pennock is a niece of S. S. Pennock of Philadelphia and is making a beginning in the growing of peonies for commercial purposes.

Ernst Wienhoeber of the north side has found the social events since the holidays to have been fully up to former years in the amount of flowers used. The table decorations for the pre-nuptial dinner given by Mr. and Mrs. Cyrus McCormick in honor of their son and his bride were furnished by this firm. The tables were set in the ball room of the home and thousands of spring flowers arranged in garlands upon the tables.

The McCormick-Linn wedding on Saturday, Feb. 13, was an event calling for the use of many flowers. The church decorations were confined to a background of Cibotium Schiedei at the altar, and at the front two tall moss-covered vases of lilies. The bride's bouquet was of orange blossoms cut from dozens of plants secured in the East and was lightly

showered with ribbon. C. A. Samuelson had the order. In the decorations at the Linn home the tables were beautiful with the double flowering cherries, *Prunus triloba*, grown by F. Oechslein.

Fire in Wholesale District.

The most stirring event in the wholesale flower market in years was the burning, Sunday morning, of the five-story brick building at 66-70 East Randolph street in which were located the E. C. Amling Co. on the main floor and the A. L. Randall Co. on the four upper floors. The origin of the fire is unknown, the blaze having been discovered at 3.30 A. M., and was under such headway that the stock of florists' supplies was completely destroyed and only a small portion of the office furniture of the A. L. Randall Co. was saved. E. C. Amling, who lives at Oak Park and John Michaelson, manager, at River Forest, were notified and made a quick run in time to save the books and at 7 A. M. had such flowers as they had saved carried into the Harry Rowe building. The next day their furniture was moved into the Federal Life building, 166 North Michigan avenue where they will remain for the present. The A. L. Randall Co. are temporarily located at 177 North Michigan avenue, which, with the Chicago Flower Growers' Association gives Michigan avenue three of the large wholesale houses just now. The walls of the burned building are standing but the inside is a complete wreck. It was an old building and with the light, inflammable stock carried on the upper floors, burned quickly. Poehlmann Bros. occupy the next building east and their private office was damaged by the water coming through the broken front window. E. C. Amling and A. L. Randall are the two largest wholesale commission houses in Chicago. There is at present no lack of suitable places

for renting, which in ordinary years would be a serious proposition.

No report is made by the insurance adjusters at this writing. Aside from its papers and books, the loss of the A. L. Randall Co. is practically total. One of the serious losses of the E. C. Amling Co.'s is their immense ice boxes which are water soaked and warped. The newest one cost \$1,200.00 a short time ago.

St. Valentine's Day.

There was no disappointment in store for florists when they went over their books after St. Valentine's Day. Orders came in from outside and shipping trade was very good and after this was taken care of, home buyers began and everything was cleaned up at good prices. All kinds of flowers were used, for there were baskets and boxes both to fill and for a newer offering there were the Colonial bouquets, flat or high, made solid, with numerous colors in each and backed with the white lace paper. These are made in several sizes and they were very popular with buyers for this day.

Chas. A. Samuelson, who had a very large trade for St. Valentine's Day, says it is getting to be a bigger day each year, but that florists have to cater to it by having something new each time. This year violets and spring flowers, as usual, were preferred, but they were presented either in the form of Colonial bouquets or in gold baskets adorned with cupids. White boxes in heart shape with fluffy red bows were also popular.

Long Island City, N. Y.—Martin Jannewsky, a florist, living in Ravenswood, has been awarded \$908 against Morris Goldfarb, a florist of East Thirty-fourth street, Manhattan, by a jury before Supreme Court Justice Benedict. The plaintiff was represented by Attorney Arvine C. Leach. Jannewsky worked for Goldfarb from

THE NEW FRENCH HYDRANGEAS

FOR SPRING SALES AND MEMORIAL DAY

Our stock is in prime condition, retarded dormant plants from 6-inch pots, in fine shape to flower for Spring Sales or for Memorial Day; any of the varieties described below at \$30.00 per 100

Avalanche. A splendid large white with a well established reputation; an easy variety to force.

Bouquet Rose. Large trusses of rosy amber turning to bright pink; a favorite with all growers.

Dentelle. Entirely distinct, deeply fringed flower of a creamy white color.

E. G. Hill. Trusses of immense size, color a most pleasing shade of pink which does not fade; growth vigorous, foliage of a pea green color, large and attractive.

General de Vibraye. A favorite wherever seen; very large heads of bright rose colored flowers. A splendid early forcing variety.

La Lorraine. Very large flowers, pale rose, turning to bright pink; has become a general favorite.

Mme. A. Riverain. Superb bright rose color; very vigorous and floriferous.

Mme. E. Mouillere. Probably the most popular white variety on the market today; an early easy variety to force.

Mme. Maurice Hamar. A delicate fresh-rose color, a vigorous grower, the individual flowers as well as the trusses being very large.

Mlle. Agnes Barillet. A splendid white; flowers large and very freely produced.

Mousseline. A beautiful mauve-rose with cream-colored center; the flower heads are large and held erect; a fine acquisition.

Mont Rose. Immense panicles of clear-flesh rose, entirely distinct, one of the best very early flowering varieties.

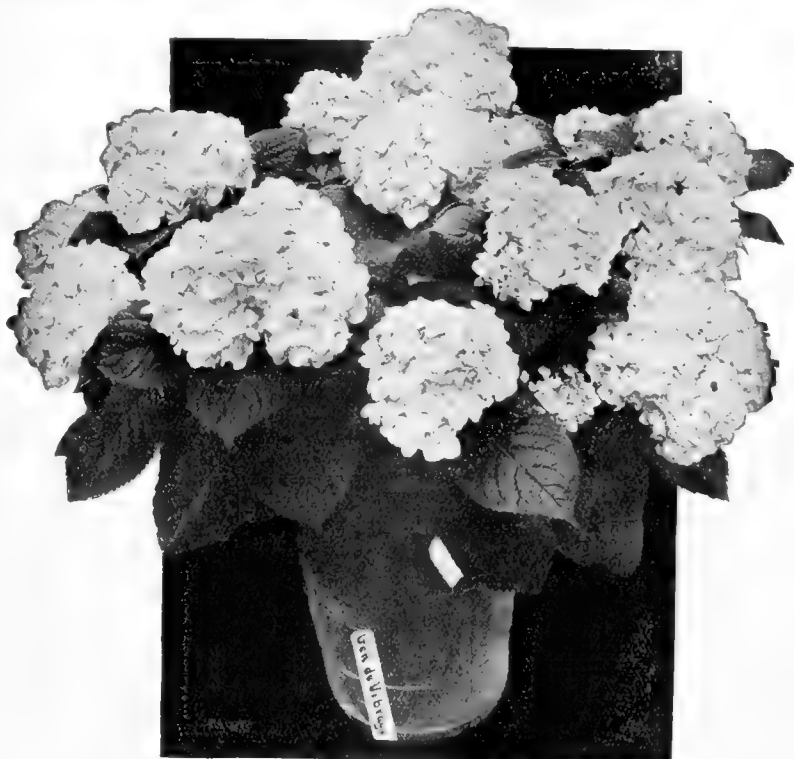
Ronsard. Flowers and trusses very large, of a beautiful rose-tint.

Souvenir de Mme. E. Chautard. One of the very best, of splendid erect habit, very robust, medium sized heads, of bright rose colored flowers; one of the very best of the Bouquet Rose type.

Senateur Henri David. Another splendid rose-colored variety, with red reflections; flowers produced in immense large heads; on the style of La Lorraine, but an earlier bloomer.

Vieux Chateau. Very large pure white, becoming suffused with delicate rosy carmine as they mature.

Hydrangeas Otaka. Dormant plants, 6-inch pots, \$25.00 per 100; 10-inch tubs, \$1.00 each; 12-inch tubs, \$2.50 each.



NEW FRENCH HYDRANGEA.

For full line of seasonable Plants, Bulbs, Seeds, Etc., see our current Wholesale Price List.

HENRY A. DREER, 714-716 Chestnut Street, - Philadelphia, Pa.

The above prices are intended for the trade only.

January 1, 1908 to February, 1911. There was no exact agreement as to wages, but the plaintiff claimed that his services were worth at least \$7 a week. The jury allowed him wages for the entire period amounting to \$730 and cost and interest making the total amount \$908.

New York City Flower show matters are booming. It is now almost definitely settled that the retailers will go into the exhibition in a body and make the southern side of the main floor a bower of beauty. Charles H. Totty has been appointed chairman of the Board of Jurors. Thursday, the 18th of March, will be Brooklyn Day. J. K. Allen "the old reliable" wholesale commission man will move on May 1, from present quarters to 118 West 28th St.

Noteworthy New Chrysanthemums

Strong 2 1/2 inch pot stock Golden Salomon, Ivory Supreme, Chautau, \$3 per 100 \$25 per 1000. Ready now. 2 1/2 inch stock White Salomon, Turner, Naomah, Arlette Dubois, Patty, Golden Glow, Winter Cheer, Chrysolora, October Frost, L'Africaine, Ivory, Ramapo, \$2 per 100, \$18 per 1000. All ready now.

Unrooted Cuttings. Carnations: Eucharis, C. W. Ward, White Wonder, White Enchantress, \$10 per 1000. I. M. RAYNER, Greenport, N. Y.

THE FRAMINGHAM NURSERIES

200 ACRES,
TREES, SHRUBS,
EVERGREENS,
VINES, ROSES, ETC.



FINE STOCK OF
RHODODENDRONS,
KALMIAS AND
ANDROMEDAS.

W. B. WHITTIER & CO.

FRAMINGHAM, MASS

TREES

Largest assortment in New England. Evergreens, deciduous trees, both common and rarer varieties. Sturdy, choice stock that can be depended upon. Send for catalog and special trade prices.

The Bay State Nurseries

North Abington
Mass

SHRUBS

This New England soil and climate produces fine sturdy shrubs. Special trade prices. By the thousands, Hardy Native and Hybrid Rhododendrons—transplanted and acclimated. Let us estimate.

THE National Nurseryman

Official organ of the American Association of Nurserymen. Circulation among the trade only. Published Monthly. Subscription price \$1.00 per year. Foreign subscriptions \$1.50 per year. In advance. Sample copy free upon application from those in the trade enclosing their business card.

National Nurseryman Pub. Co., Inc.

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BOBBINK & ATKINS

Nurserymen, Florists
and Planters

RUTHERFORD, NEW JERSEY

Nursery Stock

Fruit and Ornamental Trees, Shrubs,
Small Fruits, Clematis, Evergreens
and Roses.

Write for Trade List.

W. & T. SMITH COMPANY, Geneva, N. Y.

SEED TRADE

AMERICAN SEED TRADE ASSOCIATION

Officers—President, Lester T. Morse, San Francisco, Calif.; First Vice-President, J. M. Lupton, Mattituck, L. I.; Second Vice-President, F. C. Dungan, Philadelphia, Pa.; Secretary and Treasurer, C. F. Kendel, Cleveland, O.; Assistant Secretary, S. F. Willard, Jr., Cleveland, O.

The Cannerns.

Among the seedsmen and seed growers who had booths at the recent Cannerns' Convention may be mentioned, Jerome B. Rice Seed Co., Leonard Seed Co., D. Landreth Seed Co., S. D. Woodruff & Sons, F. H. Woodruff & Sons, Everett B. Clark Co., D. M. Ferry & Co., J. Bolgiano & Sons, a very respectable showing as to numbers. The attendance this year was not so large as that of a year ago at Baltimore, and from a business point of view was much more disappointing. One of the reasons is the fact that the exhibits occupied two floors at the Grand Central Palace, and owing to the peculiar construction of the building each floor was practically shut off from the other. Most of the machinery was exhibited on the main floor, and the visitors to this floor were fairly numerous at all times while the exhibition was open, but probably not one in twenty took the trouble to go up stairs. So far as can be ascertained, the machinery men and can manufacturers did a fairly good business, but the supply men were very greatly disappointed and many serious complaints have been made against an exhibition on two floors.

No decision has as yet been reached as to where the next convention will be held, but it will undoubtedly be somewhere in the middle west, or possibly it may go as far as Denver. This city seems to suit a great many of the western people and even the eastern men regard it with favor. Among the other contenders for the convention are Rochester, Buffalo and Richmond, although the latter is not quite prepared to handle so large a crowd as the cannerns usually carry to their conventions.

Seed Potatoes.

Seed potatoes have experienced a sinking spell and we learn that they can be bought in Maine at the lowest figure in several years. This very naturally means a low price for eating potatoes which coming at the moment when flour and all cereals have reached the highest level in many years, should materially help in keeping down the family expenses. It will probably be a repetition of the experience of other years on the part of the dealers in seed potatoes, that those sold early at a higher price will cause discontent among the buyers and it will be necessary to reduce early prices to satisfy dissatisfied customers.

There are reports that onion sets are also on the decline but we have not been able to verify them as yet.

The Boddington Business.

At a meeting of the larger creditors of A. T. Boddington, 342 West 14th street, New York, held Thursday afternoon, Feb. 11, the consensus of opin-

ion was shown to be unanimously in favor of continuing the business, looking to the best interests of all concerned. Accordingly, a Creditors' Protective Committee was appointed, the following gentlemen being elected to serve thereon: C. W. Scott of the Yokohama Nursery Co., Chas. Schwake of C. J. Schwake & Co., Inc., and Remson S. Mills. This committee will take full control of the business, Mr. Boddington giving his active co-operation. It was demonstrated that a forced sale at this time would leave creditors absolutely without any dividend whatsoever, whereas under the economies to be put in force by the Creditors' Protective Committee and with the co-operation of the creditors themselves, there is every possibility of the business being eventually restored to a profitable basis. The house of Arthur T. Boddington is well and favorably known to the purchasing public, it has expended large sums in advertising, therefore the value of the good-will of the house is incontestable. Two of the gentlemen selected on the Creditors' Protective Committee are well known New York seedsmen and their names should be sufficient guarantee that the interests of all creditors will be impartially safeguarded.

Notes.

New York, N. Y.—Knight & Struck Co. have opened a retail seed store at 302 West 22nd street.

The value of various horticultural materials imported into New York for the week ending February 6, 1915 is given as follows: Manure salt, \$67,404; fertilizer, \$10,395; guano, \$1,671; grass seed, \$6,553; trees and plants, \$2,128.

The advent of Harry A. Bunyard in the seed business under his own name, is one of the interesting items to be chronicled, but we venture to say that he has started rather late in the season and will be under more or less of a handicap this year. However, he has our best wishes for his success, and as he is very capable and resourceful there is good reason to believe that he will succeed.

The following testimonials to the good qualities of "John Baer" tomato, were crowded out of the advertisement of J. Bolgiano & Son.

A Week to Ten Days Earlier Than Livingston's Globe.

Mr. H. E. Ruckert, Sec.-Treas. Terrell Land and Development Company, Florida, writes, May 22d, 1914: "After careful and exhaustive tests, 'John Baer' Tomatoes, planted on hammock land, rich soil, heavily fertilized, produced the best results of all. Produced a heavy vine, full of fruit and matured a week to ten days earlier than Livingston's Globe, planted at the same time under like conditions. The soil is naturally moist and fruit was only damaged slightly by the drought."

Never Tasted Such Nice Tomatoes as "John Baer."

Mr. G. P. Butler, Jr., Santa Cruz, Calif., Aug. 25th, 1914, writes: "John Baer" Tomato is all you claim for it. It is certainly a good one. All my customers say they have never tasted such nice Tomatoes before. I shall plant the same Tomato next year."

"John Baer" Best Tomato Ever Grown in Colorado.

The Colorado State Agricultural College, E. P. Sandsten, Horticulturist, Aug. 31st, 1914, writes: "John Baer" Tomato has shown to be the best Tomato we have ever grown. Not only is it as early as any Tomato we have tried, but the fruit is more uniform and the size and ripeness more uniform. 'John Baer' is undoubtedly an

MICHELL'S BULBS

BEGONIA BULBS

	100	1000	10000
Single, assorted colors	\$0.10	\$2.50	\$22.00
Single, mixed colors	.20	2.25	20.00
Double, open to 1	.65	1.00	15.00
Double, mixed colors	.50	.75	11.00

GLORINIA BULBS.

Separate colors	\$0.60	\$1.25	\$9.00
Mixed colors	.50	1.00	27.50

GLADIOLUS BULBS.

All the best and most popular varieties for florists use.

TUBEROSE BULBS.

Mammoth Pearl, hand selected, extra fine. Per 100, \$1.00; \$9.00 per 1000.

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All the choicest standard sorts as well as the newer varieties in Decorative, Show, Cactus, Fancy, Pompon and Single types.

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WE are sending out our 1915 Seed Catalog which contains some novel suggestions and real helps.

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NEW CROP SEEDS

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47-54 No Market St., BOSTON, MASS.

"SEEDS WITH A LINEAGE"

Seeds with a generation of finest flowers and vegetables back of them—carefully selected—really tested.

Write today for Catalog.

CARTER'S TESTED SEEDS, Inc.
166 Chamber of Commerce Bldg.
Boston, Mass.

Excellent Tomato and one we shall grow again, especially for forcing, as I believe it will prove a success. For outside culture it has certainly proven a great Tomato."

William N. Craig, secretary of the Gardeners' and Florists' Club of Boston, was the speaker at the meeting of the Rhode Island Horticultural Society at Providence Public Library Wednesday evening, February 17. His subject was the "Home Vegetable Garden."

SEEDS FOR PRESENT SOWING PLANT NOW!

ANTIRRHINUM

MARGUERITE CARNATIONS

SALVIAS

PETUNIAS

VERBENAS

Write for a copy of our 1915 Catalogue

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SEEDS for the FLORIST ASTERS Queen of the Market

The best extra early variety, large double flowers, on long stems, in colors: Crimson, Dark Blue, Light Blue, Rose, Peach Blossom, White.

Trade pkt. 20c., oz. 75c.

Sweet Peas, Stocks, Cyclamens, Primulas, Lily of the Valley, from our own Cold Storage Plant

Our Trade List Mailed on Application

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PEAS, BEANS, RADISH } Growers for the Trade
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Write for Prices

GLADIOLUS

	100	1000
Blushing Bride	- \$0.75	\$6.00
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We are extensive growers and dealers of Seed and Sets. All our stock is first-class quality. Write for prices.

SCHILDER BROS., Chillicothe, Ohio

Seedsman requiring the very best
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Garden Seeds

(VEGETABLE AND FLOWER), especially

Kelway's Celebrated English Strains

can get them at lowest independent wholesale rates by sending their orders direct to

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Wholesale Seed Growers

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Special quotations on application

Place your order now for Ayres' Winter
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SWEET PEA SEED

S. BRYSON AYRES CO.

"Renowned Sweet Pea Specialists"

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BLUE LIST OF WHOLESALE PRICES
MAILED ONLY TO THOSE WHO PLANT
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When writing to advertisers kindly
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BEET, CARROT, PARSNIP, RADISH and
GARDEN PEA SEED in variety; also other
items of the short crop of this past season,
as well as a full line of Garden Seeds, will
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S. D. WOODRUFF & SONS 82 Dey St., NEW YORK
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BEGONIAS, ANTIRRHINUMS,
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Winter Spencer Sweet Pea Seed

Has been mailed. If not in your hands
now, send a postal for it.

ANT. C. ZVOLANEK
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JOHN LEWIS CHILDS
FLOWERFIELD, L. I., N. Y.

97th YEAR

J. BOLGIANO & SON

Wholesale Garden and Field Seeds,
Onion Sets, Seed Potatoes

GROWERS OF PEDIGREE TOMATO SEEDS

BALTIMORE, MD.

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Prepaid to Your Door

1 Gal. Can....\$10.50	½ Gal. Can.... \$5.50
288 Sheets Paper.....	7.00
144 Sheets Paper.....	4.00

ROMAN J. IRWIN, 108 West 28th St.
NEW YORK

"John Baer" Wins in Competition with "Triscon"

J. R. Robinson, Fall River, Mass., writes Oct. 31, 1914: "The 'John Baer' Tomato is by far the best I have ever grown, and I have grown the new varieties for years, including the new 'Largest' variety 'Triscon' but will have to say 'John Baer' has it on them all. The weather conditions have not been very good. We had a late Spring but for all that the 'John Baer' Tomato has done fine. I and several friends have planted and each one says 'John Baer' is the best Tomato they have ever grown." I sent to you 1 and to you and for a prize of \$100.00 'Triscon' Tomato. The prize was for the best 8 seeds. I sowed 14 of them and raised ten plants. 'Triscon' is all right as a variety, as it will grow about fifty Tomatoes in a cluster, but they are not fit for market."



"JOHN BAER" TOMATO

The Earliest and Best Tomato on Earth in Canada—First to Ripen Fruit Out of 28 Varieties

Mr. C. L. Ireland, Colborne, Ontario, Canada, writes Aug. 10th, 1914: "The 'John Baer' Tomato turned out better for me than I expected it would. I have fourteen (14) acres in Tomatoes this year of twenty-eight (28) different kinds ordered from a good many different seedsmen in the United States and Canada, and of course several varieties of which the seed was sown at the same time as 'John Baer' and therefore at the same time, your 'John Baer' was the first to ripen early fruit. I sowed the seed on March 28th and about April 15th transplanted into flats 16 inches square, 100 plants to a flat. About May 15th, I transplanted some of them again into 16-inch flats, planting 2 in the flat, twenty-five (25) and fifty (50) plants to a flat. I grew them in cotton covered hotbeds and hardened them off by removing cotton coverings before setting plants to the field. All the plants grew most stately plants, as good as the best of any other variety and a lot harder than a great many others. I was very much interested in this and certainly pleased with the plants as they stood up to perfection. I set these 'John Baer' Tomato plants out by themselves in a piece of sandy loam on medium low flat ground which had been an old duck grass sod before and sowed to Oats next year. I kept them well cultivated before and after setting plants, and as there was quite a lot of humus from the duck grass roots worked through the soil, I did not use any manure but just a handful of bone meal, 6 per cent fertilizer and one cup of salt at time of setting.

The plants grew large in proportion to number of plants set in the flats (9, 25, 50 and 100); and continued to hold their same size in proportion to number of plants, their seeds and growth. I planted them out in rows 1 foot apart by 3 feet in the row. One row of the 9 plants to a flat, one row of the 25 plants to a flat, one row of the 50 plants to a flat and one row of the 100 plants to a flat.

The largest plants from the row of 9 plants to a flat, were the first picked of the fruit, because of the large size of the plants and the show color. This was on July 28, 1914. Aug. 3d, I picked some more from first row and Aug. 6th I had a picking from both first and second rows and again Aug. 9th I had some from first, second and third rows. On Aug. 30th, I had a row of 100 plants to a flat.

There is a very marked difference in the size, number and early maturity of the fruit on the four different rows and this was evidently governed by the size of the plants at setting time. We had a cold, backward Spring at setting time, with continued cold, dry weather. Throughout June and July there were practically

"BY THEIR FRUITS YE SHALL KNOW THEM"

only two good rains, one in June 29th, and the other on July 23d, and when the last rain of July 23d came, the soil was so baked the best effect of the rain was lost, because before the moisture had penetrated to any depth it had mostly evaporated.

I saw by Market Growers' Journal of Aug. 1st that W. F. Massey says that Earliana was ripening plentiful ten days before a sign of color appeared in 'John Baer' and he seems to think it is Chalk's Jewel renamed. As he says, if it is not Chalk's Jewel renamed, it is so much like it there is no reason to keep them separate. My experience with 'John Baer' Tomato has been just about the reverse of W. F. Massey's, and I am a practical Tomato Grower, for Chalk's Jewel is not the same shaped Tomato as 'John Baer.' Chalk's Jewel will crack badly at the stem end and will not ripen around the stem.

'John Baer' Tomato in comparison with Langdon's strain of Earliana and Philadelphia Crown Setting Earliana, 'John Baer' was six days earlier than Langdon's, and ten days earlier than Philadelphia Crown Setting. 'John Baer' ripens up better around the stem end than either of them, is much larger and smoother, with heavier vine and foliage. 'John Baer' is also solid and a good keeper after being picked when ripe—August 10th. I now have the first 'John Baer' Tomatoes, which I picked over two weeks ago, lying on the roof of the house in the hot sun, and they have only just started to wither up. 'John Baer' Tomatoes picked Aug. 6th appeared as quite solid yet. In weight 'John Baer' Tomatoes will average from 6 to 12 ounces each, and about seven Tomatoes to a cluster or first setting, which ripens right up to the stem, perfectly solid, and they do not crack, like Earliana and Chalk's Jewel around the stem.

The only difference in treatment given 'John Baer' and Earliana is that Earliana was given a good coat of manure, plowed in before planting, while 'John Baer' got none, and were considerably larger, more solid, smoother and a brighter deep red color. 'John Baer' Tomato suits me to perfection."

"John Baer" Bore Tomatoes Two Weeks Earlier Than Any Others

Mr. Richard Bowles, Niagara Co., N. Y., R. F. D. No. 30, Sept. 1st, 1914, writes: "The 'John Baer' Tomato proved to be a success. It bore Tomatoes two weeks earlier than any other seed and we had a very fine yield. We are thankful to have found a Tomato earlier than what we have ever had."

"John Baer" Is the Poor Man's Tomato—It Yields So Abundantly

Mr. Gustav Bartholme, Onondaga County, N. Y., writes Sept. 1st, 1914: "I am glad of the opportunity to say that 'John Baer' Tomato is highly satisfactory. It is the poor man's Tomato, for it can be bountifully raised on very little land. I planted seven rows 'John Baer' Tomato, 350 feet long, which so far yielded 110 bushels with promise of many more."

"I did not intend to raise Tomatoes to sell. I have always raised them solely for my own home use, but I found they bore so many I could not make use of them all, and so I am supplying my neighbors and friends, who are well pleased with them. 'John Baer' Tomatoes are firm and round, with very few crippled ones among them."

"John Baer" Earliest, Heavy Bearer, Smooth, Fine Flavor

Miss Carrie B. Bankard, Carroll Co., Md., Sept. 3d, 1914, writes: "'John Baer' Tomatoes are the earliest I have ever had. I have been very successful with them. I find the 'John Baer' a very heavy bearer, very smooth and round, and of a fine flavor."

Picking Two "John Baer" Tomatoes to One of Chalk's Jewel

Mr. Harry F. Hopkins, Baltimore, Md., writes July 29th, 1914: "'John Baer' Tomatoes have proved to be as you represented them. I planted them along with other early varieties. 'John Baer' made a very much larger growth than the others. I found them to be the best cropping as well as early Tomatoes as I have ever grown. I find 'John Baer' Tomato will stand the drought better than other Tomatoes on account of their large foliage, which protects the fine fruit from the hot sun. 'John Baer' is a good cropper. I am picking two 'John Baer' to one Chalk's Jewel in spite of the fact that we have the driest season on record. It is the worst growing season I have ever known in this section, and I have been here in the trucking business for forty years."

"John Baer" Is Earlier than Earliana, and Far Superior

Mr. William A. Bridle, Monmouth Co., N. J., Sept. 3d, 1914, writes: "'John Baer' Tomato is exceptionally early—earlier than 'Earliana,' and far superior to that variety. It ripens well up to the stem perfectly smooth, solid and of fine flavor, fine color and very prolific; altogether I would consider it the best early Tomato to date."

"JOHN BAER"

THE EARLIEST AND

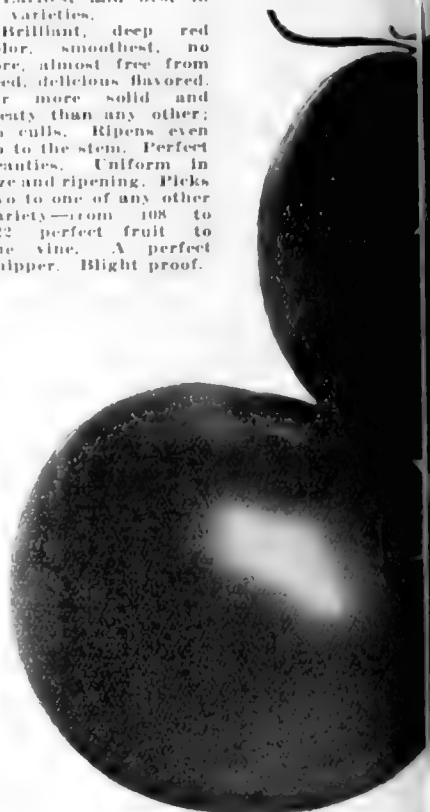
PRODUCES PERFECT, SOLID, HIGH CROWN, BEAUTIFUL

From large, strong, well matured
Pkts, 50c, 1/4 oz., 75c, oz., \$2.00, 1/2

QUALITY

Earliest and best in 28 varieties.

Brilliant, deep red color, smoothest, no core, almost free from seed, delicious flavored, far more solid and meaty than any other; no culls. Ripens even up to the stem. Perfect beauties. Uniform in size and ripening. Picks two to one of any other variety—from 108 to 122 perfect fruit to the vine. A perfect shipper. Blight proof.



"JOHN BAER"

The Earliest and

- 1st—"John Baer" Tomato produces large, beautiful solid shipping Tomatoes in 30 days—large, strong, well matured plants grow Veneer or Paper bands, with roots undisturbed.
- 2nd—"John Baer" Tomatoes produces the perfect High Crown Tomatoes ever grown—tirely free from core.
- 3rd—"John Baer" Tomatoes produces an enormous crop of Tomatoes, 50 to 100 fruit to plant.
- 4th—Every "John Baer" Tomato ripens even right up to the stem.
- 5th—No cripples, no scalds, no blight, no cracks, no one sided, uneven, scarred. When dead ripe "John Baer" Tomato will burst.
- 6th—"John Baer" Tomato has a wonderful glowing, brilliant, bright red color.
- 7th—"John Baer" Tomato has a mild, delicious sweet flavor. The finest flavor you have tasted.
- 8th—"John Baer" Tomato is almost seedless—requires 6 to 8 bushels of "John Baer" Tomato to make one pound of seed. A marvelous Setter, often ten fruit in first cluster; and meaty.
- 9th—"John Baer" Tomato has just enough foliage—will stand plenty of manuring without injury to vine. Set plants 3x3 1/2 feet.
- 10th—"John Baer" Tomato is the most perfect

1818

J. BOLGER

Almost 100 Years

GROWERS OF PEDIGREED
TOMATO SEED

" TOMATO

OMATO ON EARTH

PLANT DEEP RED SHIPPING TOMATOES IN 30 DAYS

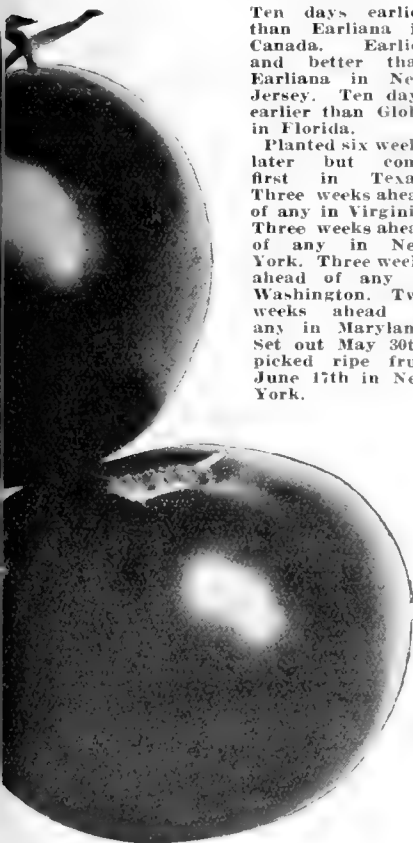
Deeper band with roots undisturbed.

per pound \$25.00. $\frac{1}{3}$ off to the trade.

EARLINESS

Ten days earlier than Earliana in Canada. Earlier and better than Earliana in New Jersey. Ten days earlier than Globe in Florida.

Planted six weeks later but come first in Texas. Three weeks ahead of any in Virginia. Three weeks ahead of any in New York. Three weeks ahead of any in Washington. Two weeks ahead of any in Maryland. Set out May 30th, picked ripe fruit June 15th in New York.



' TOMATO
omato on Earth

Shipping Tomato ever grown. 21 fruit exactly a six-carrier basket.

Each beautiful "John Baer" Tomato weighs out 6½ ounces.

"John Baer" Tomato Seed was saved only John Baer, the originator, who personally selected and picked every Tomato, from which he saved this seed, selecting only the most beautiful, perfect fruit of the Early Stem Set variety.

"John Baer" Tomato is the offspring of 20 marvelous Tomatoes, one great specialist having devoted ten years in selecting and improving one parent, and another expert devoted five years in selecting and improving the other parent. The "John Baer" Tomato is, therefore, the result of Fifteen Generations of Improvement and Selection for earliness, quality, shape, size, color and shipping quality.

As a Packing Tomato, "John Baer" is a miracle. They all pack fancy, no seconds and I pack whole. Peelers can prepare three bushels "John Baer" Tomatoes to one bushel of any other Tomato. Being such a tremendous yielder, a bushel of "John Baer" Tomatoes can be gathered in one-third the time of any other Tomato. A large Baltimore Tomato packer had all the "John Baer" Tomatoes he could secure packed separately, running them through a special process for his fanciest trade and his own private use.

O & SON 1915
Trustworthy Seeds
BALTIMORE, MD., U. S. A.

"AS YE SOW SO
SHALL YE
REAP"

"John Baer" Earliest and Best Tomato in Texas. Mr. N. T. Wells, Caldwell Co., Texas, writes June 21st, 1914: "The 'John Baer' Tomatoes are the best Tomatoes I have ever raised. I planted them six weeks later than other early varieties and the 'John Baer' ripened first. They are well meated, fine flavor, perfect, round, ripen even up to the stem. They have done more than I expected them to do in spite of the weather conditions. We have had a continuous rain all year, had seven floods in six months. I don't want any other Tomato. Enclosed find my order for more 'John Baer' Tomato Seeds."

"John Baer" Tomato the Earliest of Six Different Kinds

James S. Casey, Middlesex Co., Mass., writes Sept. 11th, 1914: "John Baer" Tomatoes have done fine. They were the earliest of six different kinds I grew this year and now, the middle of September, are still full of ripe and green fruit, in spite of the season being cold and wet. Shall grow more of them another year."

"John Baer" Proved Earlier, Larger, Stronger, More Prolific, and Stands Extremes of Weather Better Than Bonny Best

Mr. E. G. Bell, Grower of Specialties in Vegetables, Pike County, Pa., writes Oct. 23d, 1914: "I tested 'John Baer' Tomato with Bonny Best Tomato. I took 100 'John Baer' Tomato plants and planted them on an inside row of a patch of 8,000 Bonny Best, and the 'John Baer' proved earlier, larger, stronger grower, more prolific, and will stand extremes of weather better than any other Tomato I have ever grown or seen. 'John Baer' Tomato is a tremendous cropper of large, smooth, solid Tomatoes of good quality."

"John Baer" Tomatoes Pay Him More Than \$1.00 per Plant

Mr. N. S. Britt, Hancock Co., Ga., writes July 27th, 1914: "I can't say too many good things about 'John Baer' Tomato. I have a patch I planted very early, from which I have already realized \$1.00 per plant, besides furnishing all that we needed for my twenty-eight room hotel, and these same plants are still bearing. My main crop of 'John Baer' Tomatoes are just beginning to bear and they promise well."

"John Baer" All Smooth and Fine—Chalk's Jewel Were No Good At All

Mr. Peter J. Loxson, Floyd Co., Ind., Aug. 16th, 1914, writes: "John Baer" Tomato is the smoothest and best all-round Tomato I have found in my experience of twenty years in Tomato growing. I have had the Chalk's Early Jewel as my best early Tomato for eight years. I planted half "John Baer" and half Chalk's Jewel this year. We had a bad Spring; first too cold, then extremely hot, then long drouth. The Chalk's Jewel were no good at all, but 'John Baer' were all smooth and fine all the way through."

Never Saw Such a Wonderful Grower or Prolific Fruiter as "John Baer" Tomato

L. L. Auld, Greene Co., Ohio, writes Sept. 25th, 1914: "Last Spring I bought of you some 'John Baer' Tomato seed, planted it carefully and gave it special attention, staked each plant, kept the suckers off of them. I treated the 'John Baer' as I do all my early sorts for early market. I have made a hobby of Tomatoes for twelve years, and have tried all sorts in almost every way of growing them. Yet I was not prepared for the great surprise I had in 'John Baer.' To say I was pleased was putting it mild. I never saw such a wonderful grower or prolific fruiter in my life. As to quality, it was simply fine. Beat all other sorts I ever tried, and I have tested seventy sorts in one year."

Hurrah for "John Baer"—He That Laughs Last—Laughs Best

Mr. Edward Faidley, Sullivan Co., Tenn., Aug. 7th, 1914, writes: "The 'John Baer' Tomatoes are the finest I ever had. I bought an ounce from you last Spring. Some other gardeners hoisted at me paying \$4.00 an ounce for them. Now I am selling Tomatoes at fancy prices, while others are selling at any old price they can get. I have always found Bolgiano's seed A No. 1."

"John Baer" Very Good Tomato for Vermont. George H. Mass, Windsor Co., Vt., Sept. 13d, 1914, writes: "'John Baer' Tomato is quite early. We find it a very good Tomato for this climate. It is of good size, smooth, round fruit and a good yielder."

"John Baer" Three Weeks Earlier and Far Superior

Mr. William Peterson, Asotin Co., Wash., Aug. 13th, 1914, writes: "'John Baer' Tomatoes are far superior to two other well-known early varieties of Tomatoes. The 'John Baer' picked three weeks earlier and are far superior to the other two varieties in size, color and productiveness. Although we are having a long, hot, dry season, the 'John Baer' plants are holding up in fine shape."

"John Baer" Tomato Wins in Competition with Comet

Herman Bronschweig, Marlboro, Mass., writes Sept. 20th, 1914: "I bought some of your 'John Baer' Tomato last Winter and I must say it is far superior to any other Tomato. I grew 'John Baer' Tomato under glass and it produced more and better fruit than either the Comet or Dwarf Stone."



"JOHN BAER" TOMATO

The Earliest and Best Tomato on Earth

"John Baer"—3 Weeks Ahead of Any Other Tomato

Mr. E. T. Scott, Nottoway Co., Va., Aug. 24th, 1914, writes: "'John Baer' Tomatoes were ready for market three weeks before any other Tomato in our locality. I have been picking fine, large Tomatoes off of them for over two months. I had a very successful crop."

"John Baer" the Best Tomato in Kansas

Mr. H. W. Drake, Atchison, Kansas, Aug. 17th, 1914, writes: "The 'John Baer' Tomato was the earliest Tomato for its size of the five varieties I raised. It was much the best of all Tomatoes I have ever raised. 'John Baer' is early, large, smooth, good flavor, a good slicer, and a perfect canning Tomato. It is the best Tomato I know."

S. D. PRICHARD

Florist

So. Wayne St., Phelps, N. Y.

February 6th, 1915.

J. Bolgiano & Son, Baltimore, Md. Gentlemen: Your Adv. of Feb. 6th in The Florist Exchange is some puff for "John Baer" Tomato, which is all true. I tried the "John Baer" last year and there was not one in your Adv. that had one on me.

From 620 plants I sold over 2½ tons of Tomatoes. Set 3 feet each way and trained to bamboo stakes trimmed to one shoot. When they become heavy with tomatoes, I tied the top of four stakes together as shown in the enclosed photo, and as the season was cold in the Spring could not set the plants until the last of May and commenced to market on the 17th of July. I raised Celery between the rows. Inclosed find check for 1 ounce of "John Baer" Tomato Seed.

Very truly,
(Signed) S. D. PRICHARD

G. BRUNNER'S SONS

Florists

Cincinnati, Ohio

February 7th, 1915.

J. Bolgiano & Son, Baltimore, Md. Gentlemen: Glad to see your Adv. again, on "John Baer" Tomato Seed. I bought \$1.00 worth of seed last year from you, all people gave me the laugh for paying such a price for Tomato Seed, but when they found me picking Big, Fine, Solid, Fine Tasting Fruit on the 3rd day of July, 1914, then all the neighbors came to see them. I could have sold all my fruit, but to please the "wise ones" I presented each with a nice basket of them. Out of 50 "John Baer" Plants I picked an average of 1½ bushels every other day. More on my other varieties, I did not average a small bushel a day. I saved 12 bushels of seed and best "John Baer" Tomatoes for seed, there wasn't a bushel seed in them to give you. I hope this will show you why I am not sorry to be sure I will have good old "John Baer." By me it is more than you claimed for it, in your last year's Adv. in The Florist Exchange.

Yours respectfully,
(Signed) W. J. MASS

G. Brunner's Sons,
Rosemont Ave., Price Hill, Cincinnati, Ohio.

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Must be prepaid

Reference or cash must accompany all orders from unknown correspondents.
Cable Address, ALEXCONNELL.

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761 Fifth Ave.

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Member Florists' Telegraph Delivery Asso.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

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413 Madison Avenue at 48th Street.

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We Guarantee Satisfaction

MEMBER F. T. D. A.

Myer NEW YORK
609-611 Madison Ave.

Choice cut flowers and designs for all occasions. Steamer and theatre flowers a specialty.

Member Florists Tel. Delivery. Wire Me Your Orders

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

FLOWERS delivered promptly in Buffalo, Niagara Falls, East Aurora, Lockport, Tonawanda, Lancaster and other Western New York cities and towns.

*Palmer's*304 Main Street
BUFFALO, N. Y.

Members Florists' Telegraph Delivery Association

S. A. ANDERSON

440 Main St., Buffalo, N. Y.

ANDERSON service means fresh, sturdy stock, and prompt deliveries in BUFFALO, LOCKPORT, NIAGARA FALLS and WESTERN NEW YORK.

Members of Florists' Telegraph Delivery.

Of Interest to Retail Florists**THE SUCCESSFUL RETAIL STORE.**

The florist business certainly needs the man who can create new and beautiful combinations with which to please the flower buyer, but more important than his to my mind, under present conditions is the man who possesses the qualities of a general, who is able to successfully conduct a retail establishment, calling to his aid all that the modern science of business can afford. The retailer today must be a good deal of a thinker, and if he is a big retailer, he must be more than a mere trader. But to tell how to conduct a successful retail store is indeed a complex problem, for if conditions were alike, the world over, then the same methods could be successfully applied the world over. No two stores are exactly the same in size or are operated under exactly the same conditions. There is a differentiation in every business; and store methods and store policies must be adapted to these varying conditions.

Advertising.

There are differences of opinion among retail florists as to the value of newspaper advertising. But whatever may be these differences, I feel assured that all men in business agree as to the value of publicity. Scientific publicity consists in pushing before the world's notice the things that the business man does better than others.

The newspaper is regarded as one of the best and by some as the very best medium of such publicity, but there are other mediums and many of them. Not least among the mediums of publicity is the customer himself, who, if well treated and well impressed, can be made to become an unconscious walking and talking advertisement, and one that is the most valuable. Some stores can profitably employ all mediums, but all stores can profitably employ as an advertising medium the pleased and satisfied customer.

Percentage of Profit.

Some of the reasons why the percentage of profit should be figured on the selling and not the cost price:

Because no profit is made until the sale is actually effected.

Because any allowance in percentage to customers are always from selling price.

Because the sales totals are always given in books of record. Cost totals are seldom, if ever, shown.

Because the percentage of expense of conducting business is based on the selling price. If you talk per cent. of profit on cost and per cent. of expense on the selling price, where do you arrive?

Because the remuneration of salesmen is figured on a certain percentage of the selling price.

Because, if you figure on the selling price, you can go to the cash drawer and say: "Five per cent. of that money is my profit." instead of saying "five per cent. of the goods which I sold for that money is my profit."

Enthusiasm.

The man who brings enthusiasm to his work has no need to fear failure.

JOHN BREITMEYER'S SONSCor. Broadway and Gratiot Aves.
DETROIT, MICH.**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good sections of Ohio, Indiana and Canada.
Members Florists' Telegraph Delivery Association.

THE ROSERY

23 STEUBEN ST.

ALBANY, N. Y.FLOWER DELIVERIES FOR ALBANY
AND VICINITY

Members Florists' Telegraph Delivery

Danker

Albany, N. Y.

Not How Cheap
But How Good.

Capital of the Empire State

Member F. T. D. A.

**WASHINGTON,
D. C.****GUDE'S**Member Florists
Telegraph
Delivery**SAMUEL MURRAY**Kansas City, Mo.
913 Grand Ave.Member of the Florists' Telegraph Delivery
All Orders Given Prompt and Careful Attention**The Park Floral Co.**

J. A. VALENTINE, Pres.

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Rochester, N. Y.

**J. B. KELLER SONS,
FLORISTS**

25 Clinton Avenue, N.

Rochester Phone 306. Long Dist. Bell Phone 2786
Members Florists Telegraph Delivery**"THE HOME OF FLOWERS"**

The largest cut flower store in America. Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.**RANDALL'S FLOWER SHOP**

HARRY I. RANDALL, Proprietor.

Phone: Park 94

3 PLEASANT ST., WORCESTER, MASS.

Member Florists Telegraph Delivery Association

CHICAGO Send Your Orders to WILLIAM J. SMYTH

Member Florists' Telegraph
Delivery Association

Michigan Ave. at 31st Street

Prompt Auto Delivery
Service

CHICAGO

And Neighboring Towns

Are Thoroughly Covered by

SCHILLER, THE FLORIST

(Member Florists Telegraph Delivery).

Flowergram or Mail Orders from florists
anywhere carefully filled and delivered
under the supervision of

GEORGE ASMUS, Mgr.

2221-2223 W. Madison St., CHICAGO.

'Phone West 822

**THOS. F. GALVIN
INC.**

NEW YORK 561 Fifth Ave.
Vanderbilt Hotel

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Deliveries to Steamers and all Eastern Ports

CLEVELAND

A. GRAHAM & SON

5523 Euclid Ave.

Will take good care of your orders

Members of F. T. D. Association.

WASHINGTON

915 F ST. N. W.

F. H. KRAMER

Auto delivery of Designs and Flowers to
any address in Washington.

Stock and Work First Class

New York. Washington, D. C.

J. H. SMALL & SONS

FLORISTS

NEW YORK, WASHINGTON, D. C.

1153 Broadway, Cor. 15th & H. Sts.

AND WALDORF-ASTORIA.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL STREET, ALBANY, N. Y.

ST. LOUIS, MO.

FRED C. WEBER

4326-28 Olive St.

Member Florists Telegraph Delivery Association
NOTICE INITIALS. We have one store only

The Far-Famed Flowers of

TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP

96 Yonge St., - - TORONTO, ONT.

Failure comes from lack of confidence,
from holding back, from giving up.
Enthusiasm will hold him to his task
through thick and thin. He will not
falter at obstacles, because his enthu-
siasm will carry him over them.

Henry Penn

A RETAILER'S CLEVER ADVERTISING CARD.

We cannot express our esteem by a
line

And so we send this Valentine.
And if in turn you wish to send
A suitable Valentine to a friend.
We would suggest, if suggest we may,
That flowers from Fleischman on Val-
entine's day,

With their fragrance and freshness
and beauty replete,

Carry a message eternally sweet.

NEW FLOWER STORES.

Bisbee, Ariz.—Harry Seeley.

Sharon, Pa.—W. J. Barnett, 403½
State street.

Ashtabula, O.—Faust & Lockwood,
153 Main street.

Rosindale, Mass.—B. J. Wall &
Son, 12 Birch street.

Washington, D. C.—J. Louis Loose,
4th avenue, near 14th street.

El Paso, Tex.—Wright Nursery &
Floral Co., 305 N. Stanton street.

Dixon, Ill.—Rosery Flower Shop,
Beier Building, Hennepin avenue.

Chicago, Ill.—Wm. Lubliner, Wind-
sor-Clifton Hotel, Wabash avenue.

NEWS NOTES.

Columbus, O.—W. S. Clark went to
Chicago this week, making arrange-
ments for stock for the floral depart-
ment to be opened in the Green, Joyce
Co.'s department store in this city.

Lynn, Mass.—Under the caption of
"The Five Leading Florists of Lynn,"
William Sim, F. J. Dolansky, William
Gibbs, William Miller and Swanavelt
advertised jointly their Valentine's
Day facilities and attractions in flow-
ers and plants, in a full-page space in
the Lynn Telegram of February 12.

Cincinnati C. J. Jones of the Wal-
nut Hills Floral Bazaar, who has been
at Martinsville, Ind., for his health,
for the past three weeks, is now im-
proving rapidly.

The marriage of James Tiernan of
the Main street flower shop, and Miss
Laura Pfeiffer, was solemnized last
week.

The meeting of the directors of The
Florists' Telegraph Delivery will be
held on March 3, at 10 A. M., Hotel La
Salle, Chicago, Ill., instead of March
2, as previously announced.

"Horticulture is grand. Keep it up."
San Jose, Cal. B.

Penn The Florist

"The Telegraph Florist"

Member of Florists' Telegraph Delivery

37-43 Bromfield St., Boston, Mass.

ORDERS FOR

NEW YORK

WIRE OR PHONE TO

MAX SCHLING

22 West 59th Street, adjoining Plaza Hotel

Best Florists in the States as References

EUROPEAN ORDERS EXECUTED

Members of the Florists Telegraph
Delivery.

REUTER'S Members Florists
Telegraph
Delivery

STORES IN

New London and Norwich, Conn.
and Westerly, R. I.

We cover the territory between

New Haven and Providence

Transfer your orders for flower or
plant deliveries to

ZINN The Florist
4 Park St., Boston

HESS & SWOBODA

FLORISTS

Telephones 1591 and L 1553

1415 Farnum St.,

OMAHA, NEB.

THE J. M. GASSER COMPANY,

CLEVELAND

Euclid Avenue

Kerr ORDERS
FOR
TEXAS

The Florist HOUSTON, TEXAS

Member F. T. D. Association.

SNAPDRAGON

Pink, White, Yellow, \$1.50 per dozen

LILAC

White and Lavender, \$1.00 per bunch, 12 bunches for \$10.00.

SPENCER PEAS

Extra fine quality, 500 for \$7.50, our selection of colors.

THE LEO NIESSEN CO.

Wholesale Florists

N. W. Cor. 12th and Race Sts., PHILADELPHIA, PA.
BALTIMORE, MD. WASHINGTON, D. C.

Dear Horticulture:

We can't keep house without you,
and you can't travel without money,
therefore I enclose money order to
keep you coming for 1915.

Yours admirably,

Iowa

E. S.

THE BEST LETTERSFOR
FLORIST'S
USE**R**THOSE
MADE
BY THE**Boston Florist Letter Co.**

66 PEARL ST., BOSTON

N. F. McCarthy, Mgr.

Block Letters, \$2.00 per 100.

Script Letters, \$3.00 per 100.

Order direct or buy from your local
supply dealer. Insist on having the**BOSTON**Inscriptions, Emblems, etc. Always
in Stock**POEHLMANN BROS. CO.**

Supply of Best Cut Flowers all the Year Around
72-74 EAST RANDOLPH ST., - - - CHICAGO.

If interested, send us your name and address for our weekly price list.

WELCH BROS. CO.AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE
SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS**BEST PRODUCED****226 Devonshire Street,****Boston, Mass.****WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY**

	CINCINNATI February 15	CHICAGO February 15	BUFFALO February 15	PITTSBURG February 15
Roses				
Am. Beauty, Special.....	4.00 to 50.00	40.00 to 50.00	40.00 to 50.00	40.00 to 50.00
" " Fancy and Extra.....	30.00 to 35.00	30.00 to 35.00	40.00 to 45.00	25.00 to 35.00
" " No. 1.....	10.00 to 15.00	10.00 to 15.00	25.00 to 30.00	15.00 to 20.00
Killarney, Richmond, Extra.....	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	10.00 to 12.00
" " Ordinary.....	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00
Hillingdon, Ward, Sunburst, Extra.....	6.00 to 7.00	10.00 to 12.00	10.00 to 12.00	8.00 to 10.00
" " Ordinary.....	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00
Maryland, Shawyer, Taft, Extra.....	6.00 to 7.00	10.00 to 12.00	10.00 to 12.00	8.00 to 10.00
" " Ordinary.....	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00
Russell, Hadley, Ophelia.....	4.00 to 5.00	10.00 to 12.00	10.00 to 12.00	8.00 to 10.00
Carnations, Fancy.....	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
" " Ordinary.....	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Cattleyas.....	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00
Cypripediums.....	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00
Lilies, Longiflorum.....	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Lily of the Valley.....	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00
Violets.....	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Snappedragons.....	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00
Narcissus, Paper White.....	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00
Corn Flower.....	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00
Freesia.....	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00
Daffodils.....	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00
Tulips.....	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00
Lilac per bunch.....	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00
Sweet Peas.....	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00
Gardenias.....	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00
Adiantum.....	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00
Smilax.....	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00
Asparagus Plumosus, Strands (100)	20.00 to 25.00	40.00 to 50.00	60.00 to 70.00	40.00 to 50.00
" " & Spreng. (100 bchs.)	20.00 to 25.00	40.00 to 50.00	60.00 to 70.00	40.00 to 50.00

**C. E. CRITCHELL**

"The" Wholesale Florist of Cincinnati
32-34-36 East Third Street

Consignments Solicited. Complete stock of
Florists' Greens and Supplies.

Mention Horticulture when writing.

Wired Toothpicks

Manufactured by

W. J. COWEE, Berlin, N. Y.

10,000....\$1.75. 50,000....\$7.50. Sample free
For sale by dealers.

E. G. HILL CO.

Wholesale Florists

RICHMOND, IND.

Please mention Horticulture when writing

WILLIAM F. KASTING Co.**Wholesale Florists****383-387 ELLICOTT ST. - - - BUFFALO, N. Y.****CUT FLOWER BOXES****EDWARDS FOLDING BOX CO**MANUFACTURERS
PHILADELPHIA, PA.

Telephone 3860 Madison Square

WOODROW & MARKETOS

WHOLESALE

Plantmen and Florists

37 and 39 West 28th St., NEW YORK

EDWARD REID**WHOLESALE FLORIST**

1619-21 Ranstead St., Philadelphia, Pa.

CHOICE BEAUTIES, ORCHIDS, VALLEY, ROSES
and all Seasonable Varieties of Cut Flowers

MICHIGAN CUT FLOWER**EXCHANGE, Inc.**

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

264 RANDOLPH ST., DETROIT, MICH

Flower Market Reports

Business has been very **BOSTON** good, considering the times and general depression. Valentine's Day was a record-breaker with several retailers, one in particular disposing of at least 200,000 violets. Red roses went well, in fact all classes of stock found a favorable outlet. The wholesale houses were working overtime to fill the shipping orders. In short, the market is adjusting itself to conditions that are more satisfactory than has been the case since Christmas. American Beauties are now a bit short, the best stock bringing from \$5.00 to \$6.00 per dozen. The demand is not strong, there being enough to meet it in fancy and medium grades. The call for carnations took a jump at the beginning of this week and at this writing the sale for medium and fancy grades is very good. Some fine grades of orchids are being shipped to the market and are in fair demand by the retailers. Gardenias are not selling so well, although their quality is excellent. Sweet peas are coming in in increasing supply, especially the Spencer type. The call for violets has dropped considerably, but the demand is enough to maintain the price. Plant trade has fallen off considerably and prospects for increased business in this line seem rather poor. Freight charges for imported stock have jumped 400 per cent., making the importation of European stock extremely doubtful this spring. The demand for greens is steady, very little variation ever occurring for these goods.

Quite an active market **BUFFALO** was seen last week and the cause may be laid to the springlike weather and the near ending of weddings and other social gaieties. There was some shortage at the end of the week and good stock, especially colored, in carnations and roses for Valentine's day were on the short side. Roses had again shortened up considerably and there was a heavy demand for red and yellow, which at times could not be obtained. A fine lot of violets, also lily of the valley, freesia, mignonettes, daisies and other corsage flowers shared in the demand. Tulips have come on more heavily also Golden Spur and Von Sion daffodils and all had good sales. A few scattered weddings called for orchids and white Killarney and these were in fair supply. Saturday was a busy day for the trade and all were thankful for the little extra business obtained.

All the flowers coming **CHICAGO** into the Chicago market are selling now and at a good price. The supply cannot be said to be normal, however, for roses are still far below an average cut for February and American Beauties are very few. Red roses are especially scarce and an order for even a small number of them usually means a trip around the market to secure them. Carnations also are far from being the big product they were earlier in the season, and as with roses, the red ones are hardest to find. Freesia is a very popular flower this season and it is quite possible that the colonial bouquet, so much in vogue now is respon-

Spencer Sweet Peas



Our growers are cutting freely of these superb Sweet Peas—and magnificent stock they are, splendid color, well flowered sprays.

Extra Long.....\$1.50 per 100
Long.....1.00 "
Medium......75 "

All are good stems, even the medium are good length.

CATTLEYAS Doz. 100
Special.....\$5.00 \$40.00
Fancy.....4.00 25.00
A few Extra Choice.....6.00

GARDENIAS
Special.....3.00
Fancy.....2.00

VALLEY, Special \$4.00 per 100; Extra \$3.00 per 100; First \$2.00 per 100.

PUSSY WILLOW, the large variety 50c. and 75c. per bunch.

EVERYTHING IN RIBBONS AND FLORISTS SUPPLIES

Send for our Catalogue

S. S. PENNOCK-MEEHAN CO.

The Wholesale Florists of Philadelphia

NEW YORK
117 W. 28th St.

PHILADELPHIA
1608-1620 Ludlow St.

BALTIMORE
Franklin and St. Paul Sts.

WASHINGTON
1216 H St., N. W.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON February 18		ST. LOUIS February 15		PHILA. February 17	
Roses						
Am. Beauty, Special.....	20.00	to 40.00	30.00	to 40.00	60.00	to 75.00
" " Fancy and Extra.....	12.00	to 20.00	20.00	to 25.00	20.00	to 50.00
" " No. 1.....	6.00	to 10.00	10.00	to 15.00	5.00	to 15.00
Killarney, Richmond, Extra.....	8.00	to 15.00	6.00	to 8.00	8.00	to 12.00
" " Ordinary.....	4.00	to 5.00	3.00	to 5.00	3.00	to 6.00
Hillingdon, Ward, Sunburst, Extra.....	8.00	to 12.00	8.00	to 10.00	8.00	to 12.00
" " Ordinary.....	6.00	to 6.00	5.00	to 6.00	3.00	to 6.00
Maryland, Shawyer, Taft, Extra.....	6.00	to 15.00	6.00	to 8.00	8.00	to 12.00
" " Ordinary.....	3.00	to 4.00	3.00	to 5.00	3.00	to 6.00
Russell, Hadley, Ophelia.....	4.00	to 15.00	6.00	to 10.00	4.00	to 20.00
Carnations , Fancy.....	1.00	to 5.00	2.00	to 3.00	4.00	to 5.00
" " Ordinary.....	1.00	to 2.00	1.00	to 1.50	3.00	to 4.00
Cattleyas	6.00	to 10.00	.....	to .....	.....	to
Cypripediums	8.00	to 10.00	10.00	to 12.50	8.00	to 12.50
Lilies , Longiflorum.....	3.00	to 4.00	3.00	to 4.00	1.00	to 4.00
Lily of the Valley	1.25	to .60	.50	to 1.00	.25	to .75
Violets	2.00	to 4.00	4.00	to 5.00	6.00	to 15.00
Snopdragon	1.00	to 2.00	2.00	to 3.00	1.50	to 2.00
Narcissus , Paper White.....	.....	to .....	.....	to	1.50	to 2.00
Corn Flower.....	.....	to 2.00	3.00	to 4.00	2.00	to 3.00
Freesia	1.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Daffodils.....	.....	to	3.00	to 4.00	2.00	to 4.00
Tulips.....	.....	to .....	.....	to .....	.....	to
Lilac (per bunch).....	.75	to 1.50	.50	to 1.50	.50	to 2.00
Sweet Peas.....	.....	to 35.00	.....	to	5.00	to 10.00
Gardenias.....	.50	to 1.00	1.00	to 1.25	.75	to 1.00
Adiantum	8.00	to 12.00	10.00	to 12.50	15.00	to 20.00
Smilax	25.00	to 40.00	35.00	to 50.00	35.00	to 50.00
Asparagus Plumosus , Strings (100).....	25.00	to 35.00	10.00	to 15.00	25.00	to 50.00
" " & Spreng. (100 Bchs.).....	.....	to .....	.....	to .....	.....	to

sible for it, for it lends itself so gracefully to that form of arrangement. It is seen also in the florists' windows made up prettily with violets, in corsage bouquets. Bulbous flowers form a large part of the sales and the stock is excellent and prices are holding up well. Violet sales are quite satisfactory and the market is not overcrowded as in past seasons.

The market is in the **CINCINNATI** same firm condition as at the last writing. Supplies are still limited while the demand is steady and active. Valentine day business was very good, both locally and from out of town. The cuts of both roses and carnations are short of actual needs. Sweet peas, when good, meet with a splendid call.

Lilies and callas are selling well. Tulips, narcissus, Dutch hyacinths and freesia meet with their share of the popularity. Single violets may be enumerated among the best sellers. The lily of the valley market is only fair.

Market prices have **NEW YORK** held up nicely, but now that Valentine's day has passed along and Lent has come in prices have begun to decline all through the list. The fine spring-like weather of the past few days has contributed to that condition and if it continues an accumulation of stock seems inevitable. The quality generally is beyond criticism and on some lines of roses, carnations

(Continued on page 254)

H. E. FROMENT

Wholesale Commission Florist,
Choice Cut Flowers,

47 West 28th St. NEW YORK
Telephones: 2200, 2201, Madison Square.

Moore, Hentz & Nash

Wholesale Commission Florists

55 and 57 West 26th Street
Telephone No 756
Madison Square New York

WM. P. FORD

Wholesale Florist

107 W. 28th Street, NEW YORK

Call and inspect the Best Establishment
in the Wholesale Flower District.

GEO. C. SIEBRECHT

WHOLESALE FLORIST

109 WEST 28th ST

CONSIGNMENTS SOLICITED

PHONE { 608 } MADISON SQ., NEW YORK
609

JOHN YOUNG

Wholesale Florist

53 WEST 28th STREET NEW YORK CITY

Consignments Solicited

Phone 7362 Madison Square

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55 and 57 West 26th St.
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Shipping orders receive prompt attention.

THE KERVAN COMPANY

Ferns, Mosses, Wild Smilax, Galax,
Lonicera, Palmetto, Cycas, both fresh
cut and prepared.

Laurel, Hemlock, all Decorating Evergreens.
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(3033)

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Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS
28 Willoughby St., Brooklyn, N. Y.

M. C. FORD

121 West 28th St., NEW YORK

FINE ROSES, FANCY CARNATIONS

A Full Line of ALL CUT FLOWERS.
Telephone, 3870 or 3871 Madison Square

GEORGE B. HART

WHOLESALE FLORIST

24 Stone St., Rochester, N. Y.

P. J. SMITH

SUCCESSOR TO JOHN I. RAYNOR

Wholesale Commission Florist SELLING AGENT FOR
LARGEST GROWERS

A full line of Choice Cut Flower Stock for all purposes.
The HOME OF THE LILY by the 100, 1000 or 10,000.

TEL. 1998 MADISON SQUARE 49 West 28th St., New York City

ALBANY CUT FLOWER EXCHANGE

THOMAS TRACEY, Mgr. 611 Broadway, ALBANY, N. Y.

WHOLESALE ONLY

SAVE TIME AND MONEY BY SENDING YOUR ORDER TO US

Prices Right. Consignments Solicited. Telephone Connection

HEADQUARTERS FOR NOVELTIES

ORCHIDS A SPECIALTY

THE HIGHEST GRADE OF VALLEY ALWAYS
ON HAND

GARDENIAS, DAISIES, ROSES AND CARNATIONS

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Centrally Located, The Hub of the Flower Market Section

CHARLES MILLANG

Wholesale Florist

55 and 57 W. 26th Street, NEW YORK

Telephone 7062 Madison

BADGLEY, RIEDEL & MEYER, Inc.

WHOLESALE FLORISTS, 34 West 28th St., New York

Telephones { 1664 } Madison Square
1665

CONSIGNMENTS SOLICITED

NEW YORK QUOTATIONS PER 100. To Dealers Only**ROSES AND CARNATIONS**

		Last Half of Week ending Feb. 13 1915		First Half of Week beginning Feb. 15 1915
American Beauty, Special	to	75.00	50.00	to 75.00
" " Fancy and Extra	40.00	to 50.00	40.00	to 50.00
" " No. 1	5.00	to 25.00	5.00	to 25.00
Killarney, Richmond, Extra	8.00	to 12.00	6.00	to 10.00
" " Ordinary	3.00	to 6.00	3.00	to 3.00
Hillingdon, Ward, Sunburst, Extra	8.00	to 12.00	6.00	to 10.00
" " Ordinary	4.00	to 6.00	3.00	to 5.00
Maryland, Shawyer, Taft, Extra	7.00	to 12.00	5.00	to 10.00
" " Ordinary	4.00	to 6.00	2.00	to 3.00
Russell, Hadley, Ophelia	15.00	to 20.00	12.00	to 20.00
Carnations, Fancy Grade	3.00	to 4.00	3.00	to 4.00
" " Ordinary	2.00	to 3.00	2.00	to 3.00

WALTER F. SHERIDAN

Wholesale Commission Dealer in

CHOICE CUT FLOWERS

133 West 28th Street, New York

Telephone—3532-3533 Madison Square



GUTTMAN & RAYNOR, Inc.

A. J. GUTTMAN, President.

Wholesale Florists

101 W. 28th St., NEW YORK

We have 20 years' experience behind us.
Telephone, Madison Square 896 and 897.

Frank H. Traendly Charles Schenck

TRAENDLY & SCHENCK

Wholesale Florists

131 West 28th St., New York

Telephones: 798 and 799 Madison Square
Consignments Solicited

Established 1887.

Still Going Strong.

J. K. ALLEN

OLDEST IN YEARS BUT UP-TO-DATE IN SERVICE

106 WEST 28TH ST., NEW YORK.

Opens 6 A. M. daily.

Telephone, 167 and 4468 Mad. Sq.

REED & KELLER

122 West 25th St., New York

Florists' Supplies

We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Decorative Glassware, Growers and
Florists' Requisites

SEASONABLE SUGGESTIONS

BY THE FLORISTS' SUPPLY HOUSE OF AMERICA

*St. Patrick's Novelties—High Hats for Shamrocks—Cherries
for Washington's Birthday*

EASTER BASKETS NOW READY

HANDLE BASKETS With Liners

TUMBLER BASKETS

CYCAS LEAVES, Best in the World

MAGNOLIA LEAVES

WHEAT SHEAVES, CREPE PAPER AND MATS

CREPE FLOWERS

H. BAYERSDORFER & CO.,

The Florists' Supply
House of America

1129 Arch St.,
PHILADELPHIA, PA.

Flower Market Reports

(Continued from page 251)

and violets it is nothing short of superb. A disquieting feature of the situation is the unprecedented low price on cattleyas. Never before at this season have these splendid flowers commanded so small a return or so little regard. We confess we are sorry to see them reduced to the position of common flowers and hope that the present conditions will quickly come to an end. We believe in "flowers for the multitude," but we draw the line at the cattleya in this respect and regret to see these aristocratic beauties of the floral world in the hands of the street fakir.

Valentine week

PHILADELPHIA here was probably as good as any we have experienced of late. It was fully up to the standard—as good as last year if not a little better, and both local and long-distance demand were better than the trade had dared to hope for. Red seemed to be the favorite color, and in that respect the occasion was a small echo of the Christmas time. Richmond roses were particularly in demand and there were hardly enough of these to go around. Some nice Hadleys came along and these also were quickly snapped up. There was a bit of a scramble, too, for good red carnations. Sweet peas went well especially in the pinks, lavenders and whites. There was one red but it was a dull color and had a touch of purple in it. The public did not want that shade even if they were a little crazy after red. So the growers will have to find us something brighter in red for next year. Lily of the valley was in better demand than it has been for some time. Violets were too plentiful—especially towards the end of the week. Early in the week they were scarce—a sure sign that growers were holding back. Violets are a sure-enough Valentine proposition but the "hold-back" has never paid and never will. It always has proved a boom-erang and hits the innocent as well as

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Feb. 13 1915		First Half of Week beginning Feb. 15 1915	
Cattleyas	10.00	to 20.00	10.00	to 15.00
Lilies, Longiflorum	6.00	to 10.00	8.00	to 10.00
" Rubrum	2.00	to 4.00	2.00	to 5.00
Lily of the Valley	1.00	to 3.00	2.00	to 3.00
Violets	.35	to .50	.15	to .25
Snappedragon	4.00	to 6.00	8.00	to 12.00
Narcissus, Paper White, Roman Hyacinths	1.00	to 1.50	1.50	to 2.00
Freesia	1.00	to 3.00	1.00	to 3.00
Daffodils	2.00	to 3.00	2.00	to 3.00
Tulips	2.00	to 4.00	2.00	to 5.00
Mignonette	3.00	to 6.00	3.00	to 6.00
Lilac (per bunch)	.....	to 1.00	.....	to 1.00
Sweet Peas	.50	to 2.00	1.00	to 2.00
Gardenias	10.00	to 25.00	10.00	to 25.00
Adiantum	.50	to 1.00	.75	to 1.00
Smilax	10.00	to 12.00	6.00	to 10.00
Asparagus Plumosus, strings (per 100)	35.00	to 50.00	25.00	to 50.00
& Spreen (100 bunches)	15.00	to 35.00	20.00	to 25.00

the guilty. Daffodils sold fairly well but they were very plentiful and a good many were left over at the wind up. White lilac was a favorite as was also Acacia pubescens. There was a good call for gardenias but not much doing in orchids. Cattleyas went fairly well but at low prices.

PITTSBURGH

It seems almost incongruous that this year of (dis) grace, 1915, which will probably go down as the worst of carnage and financial depression in the world's history, should be marked in at least local florists' circles as by far "the best Valentine Day of any." Such it was in Pittsburgh, however, the supply of flowers being unequal to the demand. With its own supply exhausted and nothing to draw on from the wholesale houses, the Blind Floral Company was obliged to stop work at 2 o'clock Saturday afternoon; the A. W. Smith Company report that they exceeded their expected sale of violets, "150,000 strong," similar experiences being the rule rather than the exception with the other firms, both downtown, in the East End and on the North Side. Harvey C. Sheaff, manager for Mrs. E. A. Williams, attributes this unprecedented condition largely to the mild, balmy weather, so unusual in mid-February, added to the fact of St. Valentine's Day falling on Sunday (men of the younger generation following the example of their sires and grand-sires in devoting special week-end attention to their sweethearts). Apropos of this latter observation, however, it is a curious fact noted by all the retail people that each year finds fewer men purchasers, their ranks, fortunately,

being more than filled by women. The psychology of this, so far, no one ventures to explain.

The wholesale houses reported a continued shortage of carnations and roses, American Beauties being practically "out of sight." Fortunately, however, for the latter, there is small demand. Lilies, too, are scarce, but there are plenty of cattleyas, as well as all bulbous stock. Primroses, this season, are largely supplementing cut flowers as gifts.

St. Valentine's Day

ST. LOUIS showed to great advantage here and the market improved greatly. The big demand was for violets and sweet peas and these were in plenty with prices considerably higher than early in the week. All other staples sold at the usual quotations and the market was well supplied in general.

(Continued on page 258)

F. R. PIERSON CO.
FLORISTS AND
PLANTSMEN
TARRYTOWN ON HUDSON, - N. Y.

KOMADA BROS.

Manufacturers of all Kinds of
WIRE DESIGNS and FLORISTS SUPPLIES
1008 Vine St., PHILADELPHIA, PA.

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especially adapted for florists' use
BOOKS BALANCED AND ADJUSTED
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Ampelopsis Vetchill 3-yr., extra strong roots and tops, 3 to 4 ft., \$8.00 per 100; 2-yr., strong, 2 to 3 ft., \$4.70 per 100, \$35.00 per 1000; 2-yr., good, 18 to 24 in., 50 by parcel post, \$2.00; \$3.00 per 100; \$25.00 per 1000, by express. All packed to carry safely without extra charge. CHAS. BLACK, Hightstown, N. J.

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Godfrey Aschmann, Philadelphia, Pa.
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Elliott Auction Co., New York City.
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J. E. Felthousen, Schenectady, N. Y.
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August Rolker & Sons, New York.
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BEGONIA GLORY OF CINCINNATI
\$18.00 per 100; \$150.00 per 1000

BEGONIA MELIOR

\$25.00 per 100; \$200.00 per 1000

Strong young plants from leaf cuttings, May and June delivery. Secure your stock from the originators; quality is our aim.

J. A. PETERSON & SONS

Westwood, Cincinnati, Ohio

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"King Ideal" Boiler.

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August Rolker & Sons, New York City.
Holland and Japan Bulbs.
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S. S. Skidelsky & Co., Philadelphia, Pa.
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Horticultural Importers and Exporters.
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A. Henderson & Co., Chicago, Ill.
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Bulbs of all descriptions. Write for prices.
NEW YORK Branch, 8-10 Bridge St.

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Canna Specialists.
Send for Canna book.
THE CONARD & JONES COMPANY,
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Carnation Matchless a Great Success.
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CARNATIONS—Rooted cuttings: Beacon, Rosette, White Enchantress, \$3.00 per 100, \$25.00 per 1,000; Philadelphia, \$5.00 per 100, \$40.00 per 1,000.

FRANK P. PUTNAM, Lowell, Mass.

CARNATION STAPLES

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 1000 for 35c.; 3000 for \$1.00 post paid. I. L. PILLSBURY, Galesburg, Ill.

Supreme Carnation Staples, for repairing split carnations, 35c. per 1000; 3000 for \$1.00. F. W. WAITE, 85 Belmont Ave., Springfield, Mass.

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Poeblmann Bros. Co., Morton Grove, Ill.
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Wood Bros., Fishkill, N. Y.
Chrysanthemums Rooted Cuttings.
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The Cream of 1914 Introductions.

The most popular Commercial and Exhibition kinds; also complete line of Pompons, Singles and Anemones. Trade list on application. ELMER D. SMITH & CO., Adrian, Mich.

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For several years we have been working for the improvement of the Cyclamen; we offer for March and April delivery, young thrifty plants from 2 in. pots, giant white, white-pink eye, giant pink, dark red, brilliant red, at \$5.00 per 100; Glory of Wandsbek (brilliant salmon) at \$8.00 per 100. These are plants produced from our own improved strain.

J. A. PETERSON & SONS
Westwood, Cincinnati, Ohio

DAHLIAS

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange. GEO. H. WALKER, Dahlia Expert, North Dighton, Mass.

DAHLIAS.

Send for Wholesale List of whole clumps and separate stock; 40,000 clumps for sale. Northboro Dahlia and Gladiolus Gardens, J. L. MOORE, Prop., Northboro, Mass.

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John Wanamaker, Newest, Handsomest, Best. New color, new form and new habit of growth. Big stock of best cut-flower varieties. Send list of wants to PEACOCK DAHLIA FARMS, Berlin, N. J.

ALEXANDER'S QUALITY DAHLIAS are the best on the market; 800,000 Clumps to offer, at rock bottom prices, in full field clumps, and strong divisions. If you are looking for stock for your 1915 Catalogue, or for forcing, send at once for free catalogue. J. K. ALEXANDER, "The Dahlia King," East Bridgewater, Mass.

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Fuchsias—Black Prince, Speciosa, double
purple and white. Rooted Cuttings, \$1.00
per 100; 2½-in., \$2.00 per 100.
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Frank E. Cole, Mgr., Beverly Farms, Mass.
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Mme. Sallerol Geraniums—Very strong,
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Gladiolus—Shakespeare, Hyde Park,
Morning Star. Good for Florists' use.
First and second sizes. Write for prices.
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First size America, \$7.00; Mrs. F. King,
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retail price lists of about 100 varieties.
G. D. BLACK, Independence, Iowa.

GLADIOLUS AMERICA—1½-in. and up,
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bulbets, 50c. per 1000. A-1 mixture, 1½-
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CO., 331 W. Randolph St., Chicago, Ill.
B D—UNDER CHRYSANTHEMUMS

First size healthy Gladoli, per 1000:
Augusta, \$14.00; Hulot, \$14.00; Halley, \$14.00;
King of Yellow, \$25.00; Francis King, \$14.00;
Panama, \$37.50; Pink Beauty, \$9.00; White
and Light Mixed, \$10.00. Send for list of
75 varieties, including planting sizes. F. E.
SWETT & SON, Stoughton, Mass.

Mrs. Watt, the gladiolus of quality; bril-
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robust grower; first size bulbets, \$3.50 per
100; also planting stock (¾ to ¾ inch) of
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Halley, Princeps, Columbia, Mrs. King,
Chicago White, Peace, Niagara, Golden
King and Pendleton—write for prices.
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Greenhouse glass, lowest prices. JOHN-
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Red Devil Glass Cutter.
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Hardwood Ashes for sale. GEO. L.
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STANDARD HOT BED SASH—80c. each.
Glass, 6 x 8, 8 x 10, 10 x 12 or 10 x 14, \$1.50
per box. C. N. ROBINSON & BRO.,
Dept. 29, Baltimore, Md.

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"Nico-Fume."

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Nico Fume Liquid and Paper.
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English Ivy from field, 20 to 30 in., \$3.00;
from pots, 30 to 40 in., \$5.00 per 100.
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Japanese Lily Bulbs of Superior Quality.
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ONION SETS

W. R. ...
...

YELLOW DANVERS SETS
...

PK. Bu.
M. 1.00 81.55
April 1st, .55 .55 1.75

WHITE SILVER SKIN SETS
M. 1.00 81.55
M. 1.50 1.75
April 1st, .55 .55 1.75

RED WETHERFIELD SETS
M. 1.00 81.55
M. 1.50 1.75
April 1st, .55 .55 1.75

J. BOLGIANO & SON

100 N. 15th St., Baltimore, Md.

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Jas. McManus, New York, N. Y.
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Lager & Hurrell, Summit, N. J.

PAINT WITHOUT OIL

A. L. R. Adams, N. Y.

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Robert Craig Co., Philadelphia, Pa.
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August Rolker & Sons, New York City.
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PEONIES

Peonies. The world's greatest collection.
1200 sorts. Send for list. C. BETSCHER,
Canal Dover, O.

PECKY CYPRESS BENCHES

A. T. Stearns Lumber Co., Boston, Mass.
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PIPE AND FITTINGS

Kroeschell Bros. Co., Chicago.
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Perry, Buxton, Doane Co., So. Boston, Mass.
Second Hand Pipe.
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King Construction Company,
N. Tonawanda, N. Y.
Shelf Brackets and Pipe Hangers.
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PLANT AND BULB IMPORTS

Chas. Schwake & Co., New York City.
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August Rolker & Sons, New York City.
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PLANT TRELLISES AND STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. SEELE & SONS, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

For page see List of Advertisers.

RAFFIA

McHutchison & Co., New York, N. Y.
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RHODODENDRONS

P. Ouwerkerk, Hoboken, N. J.
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Framingham Nurseries, Framingham, Mass.
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RIBBONS AND CHIFFONS

S. S. Pennock-Meehan Co., Philadelphia, Pa.
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ROSES

Poehlmann Bros. Co., Morton Grove, Ill.
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P. Ouwerkerk, Hoboken, N. J.
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Robert Craig Co., Philadelphia, Pa.
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W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
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Bay State Nurseries, North Abington, Mass.
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August Rolker & Sons, New York City.
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Framingham Nurseries, Framingham, Mass.
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A. N. Pierson, Inc., Cromwell, Conn.
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ROSES—Continued

F. R. Pierson Co., Tarrytown, N. Y.
New Roses for Immediate Delivery.

Rose Specialists

THE CONARD & JONES COMPANY,
West Grove, Pa. Send for offers.

SEASONABLE PLANT STOCK

R. Vincent, Jr. & Sons Co., White Marsh
Md.
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J. E. Felthousen, Schenectady, N. Y.
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Alonzo J. Bryan, Washington, N. J.
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SEED GROWERS

Leonard Seed Co., Chicago, Ill.
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California Seed Growers' Association,
San Jose, Cal.
For page see List of Advertisers.

Brasilan Seed Growers Co., San Jose, Cal.

SEED TRADE ANNOUNCEMENT

Harry A. Bunyard, New York City.

SEEDS

Carter's Tested Seeds,
Seeds with a Pedigree.
Boston, Mass., and London, England.
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Schilder Bros., Chillicothe, O.
Onion Seed—Onion Sets.
For page see List of Advertisers.

Joseph Breck & Sons, Boston, Mass.
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Kelway & Son,
Langport, Somerset, England.
Kelway's Celebrated English Strain Garden
Seeds.
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J. Bolgiano & Son, Baltimore, Md.
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Chas. Schwake & Co., New York City.
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Michell's Seed House, Philadelphia, Pa.
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W. Atlee Burpee & Co., Philadelphia, Pa.
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R. & J. Farquhar & Co., Boston, Mass.
Seeds for Present Sowing.
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Thos. J. Grey Co., Boston, Mass.
Seeds for Present Planting.
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Leonard Seed Co., Chicago, Ill.
Peas, Beans, Radish and all Garden Seeds.
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J. M. Thorburn & Co., New York City.
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S. Bryson Ayres Co., Independence, Mo.
Sweet Peas.
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Lochner & Co., New York City.
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S. D. Woodruff & Sons, New York.
Garden Seed.
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Ant. C. Zvolanek, Lompoc, Cal.
Winter Flowering Sweet Pea Seed.
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S. S. Skidelsky & Co., Philadelphia, Pa.
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August Rolker & Sons, New York City.
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Burnett Bros., 98 Chambers St., New York.
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Fottler, Fiske & Rawson Co., Boston, Mass.
Seeds for the Florist.
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SKINNER IRRIGATION SYSTEM

Geo. N. Barrie, Brookline, Mass.
For page see List of Advertisers.

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SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. **LAGER & HURRELL**, Summit, N. J.

DRY SPHAGNUM MOSS

Special cash price, burlap bales 45c., wired bales 35c. **E. FRIEDL**, Phillips, Wis.

STOVE PLANTS

Orchids—Largest stock in the country—Stove plants and Crotons, finest collection. **JULIUS ROEHRS CO.**, Rutherford, N. J.

STRAWBERRY PLANTS

Strawberry Plants, twenty varieties, at \$2.50 per 1000. Catalogue free. **BASIL PERRY**, Georgetown, Delaware.

SWEET PEA SEED

Ant. C. Zvolanek, Lompoc, Calif.
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S. Bryson Ayres Co.,
Sunnyslope, Independence, Mo.
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TRITOMAS

Tritoma Pfützeri, strong crowns. Write for prices. **THOMAS J. OBERLIN**, Sinking Spring, Pa.

VENTILATING APPARATUS

The Advance Co., Richmond, Ind.
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The John A. Evans Co., Richmond, Ind.
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VERMICIDES

Aphine Mfg. Co., Madison, N. J.
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WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
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WIREWORK

Reed & Keller, New York City.
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Komada Bros., Philadelphia, Pa.
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WILLIAM E. HEILSCHER'S WIRE WORKS, 264 Randolph St., Detroit, Mich.

WHOLESALE FLORISTS

Albany, N. Y.

Albany Cut Flower Exchange, Albany, N. Y.
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Baltimore

The S. S. Pennock-Meehan Co., Franklin and St. Paul Sts.
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Boston

N. F. McCarthy & Co., 112 Arch St. and 31 Otis St.
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Welch Bros. Co., 226 Devonshire St.
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Brooklyn

Wm. H. Kuebler, 28 Willoughby St.
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Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.
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Chicago

Poehlmann Bros. Co., Morton Grove, Ill.
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Cincinnati

C. E. Critchell, 34-36 Third Ave., East.
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Detroit

Michigan Cut Flower Exchange, 38 and 40 Broadway.
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WHOLESALE FLORISTS—Continued
New York

H. E. Froment, 57 W. 28th St.
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James McManus, 105 W. 28th St.
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B. S. Slinn, Jr., 57 West 26th St., N. Y. City.
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W. F. Sheridan, 133 W. 28th St.
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P. J. Smith, 49 West 28th St., N. Y.
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Moore, Hentz & Nash, 55 and 57 W. 26th St.
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Charles Millang, 55 and 57 West 26th St.
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W. P. Ford, New York
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Traendly & Schenck, 131 W. 28th St.
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The S. S. Pennock-Meehan Co., 117 West 28th St.
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Badgley, Riedel & Meyer, Inc., New York.
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Woodrow & Marketos, 37 & 39 West 28th St.
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J. K. Allen, 106 W. 28th St.
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George C. Siebrecht, 109 W. 28th St.
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John Young, 53 West 28th St.
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M. C. Ford, 121 West 28th St.
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Guttman & Reynor, Inc., 101 W. 28th St., New York.
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Philadelphia

Leo, Niessen Co., 12th and Race Sts.
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Edward Reid, 1619-21 Ranstead St.
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The S. S. Pennock-Meehan Co., 1608-20 Ludlow St.
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Richmond, Ind.

E. G. Hill Co.
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Rochester, N. Y.

George B. Hart, 24 Stone St.
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Washington

The S. S. Pennock-Meehan Co., 1216 H St., N. W.
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CATALOGUES RECEIVED.

J. K. Alexander, East Bridgewater, Mass. Catalogue and Cultural Guide of "The Eastern Dahlia King" for 1915. A very complete illustrated descriptive list in all the dahlia classes, also other garden favorites, tender and hardy.

Moore Seed Company, Philadelphia, Pa.—Seed Buyers' Guide for 1915. A general catalogue, largely devoted to the products of the vegetable garden. "Moore's Marvelous Early" Pea is the cover page specialty.

C. S. Harrison's Select Nursery, York, Neb.—Special Price List for Spring 1915. Peonies, phloxes and irises, are the leading specialties of this house and the best varieties are carefully selected in the lists given.

New Offers In This Issue**ASPARAGUS PLUMOSUS NANUS SEED.**

W. H. Elliott, Brighton, Mass.
For page see List of Advertisers.

BUILD NOW.

A. T. Stearns Lumber Co., Neponset, Mass.
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"JOHN BAER" TOMATO.

J. Bolgiano & Son, Baltimore, Md.
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MICHELL'S BULBS.

Henry F. Michell Co., Philadelphia, Pa.
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NEW CHRYSANTHEMUMS.

I. M. Rayner, Greenport, N. Y.
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NEW FRENCH HYDRANGEAS.

Henry A. Dreer, Philadelphia, Pa.
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NEW ROSE MRS. MOORFIELD STOREY.

Waban Rose Conservatories, Natick, Mass.
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SNAPDRAGON.

The Leo Niessen Co., Philadelphia, Pa.
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SPENCER SWEET PEAS.

S. S. Pennock-Meehan Co., Philadelphia, Pa.
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WANTS, FOR SALE, Etc.**HELP WANTED**

WANTED—An assistant who has good experience in the growing of fruit under glass. Apply with references, etc., to A. A. MACDONALD, Duke's Farm, Somerville, N. J.

FOR SALE**FOR SALE****Four Greenhouses and Office**

Front greenhouse, 100 ft. x 25 ft., and office, iron frame throughout, built by Hitchings & Co., New York. Three greenhouses, boiler house and work shop in rear. Large greenhouse in the rear, 110 ft. x 26 ft., two greenhouses 30 ft. x 30 ft. Steam heat. About an acre of land. Situated on Holden Street, Danvers, Mass., on electric and steam car lines. Only eighteen miles from Boston. Danvers is a growing town with a population of 10,000. Population of 200,000 within a radius of ten miles.

Former owner carried on business for thirty years, established good wholesale and retail trade. Must be sold to settle the estate. Apply to

Mr. DAVID S. BROWN, Administrator,
130 Pine Street, Danvers, Mass.

FOR SALE—Fresh from factory, new; 10 x 12, 16 x 18, 16 x 24, double thick A and B qualities. Market dropped. Now is the time to buy and save money. **PAR-SHELSKY BROS., INC.**, 215-217 Havemeyer St., Brooklyn, N. Y.

FOR SALE—Two greenhouses, nicely situated with about an acre of land. Property also contains dwelling house and stable. Price reasonable. Address **MRS. ALLEN**, 21 Bow St., Stockham, Mass.

FOR SALE—100 Hotbed Sashes, glazed, second-hand, in good condition, need paint, 4 rows glass, \$1.00 each; 3 rows glass at \$1.50 each. **F. O. B. HENRY EICHHOLZ**, Waynesboro, Pa.

MISCELLANEOUS

WANTED to buy a quantity of glass, fishment, not less than 20,000 ft., of glass, in both houses, in good condition. For particulars and terms in first letter. **R. E. HORTICULTURE**

In writing to Advertisers kindly mention Horticulture

Flower Market Reports

Two days of **SAN FRANCISCO** good weather have stimulated retail trade somewhat, but as a good many strikers are already coming in for the opening of the Exposition Feb. 29, the approach of St. Valentine's Day is also felt in the trade, as the occasion is being celebrated more generally than usual. Most of the stores are featuring special Valentine boxes and baskets, which already have a good sale. For such work short stock of all kinds is greatly in demand, and the wholesalers are doing well. Shipments of violets have been quite heavy, and local offerings at the moment are moderate, as the plants have had too much rain. Most bulb stock is now fairly plentiful, and daffodils, freesias, etc., are rather cheap. Tulips are in better supply, but still hold up well in price. Fruit blossoms of various kinds find a very fair demand, while blossoming acacia has suddenly become a prominent feature. Cinerarias are still something of a novelty, and some very fine plants are shown. Carnations are about holding their own. All varieties of roses continue scarce, and retailers find difficulty in getting enough for their requirements. The cut of gardenias continues good, but even more could be sold than are obtainable. Cattleyas are still plentiful, but move off rather better than last week; while an excellent cut of phalaenopsis is very well received. Sweet peas are shown only in a limited way, but the demand is not large.

The St. Valentine's **WASHINGTON** Day business this year equalled and perhaps exceeded the business done at the same time in previous years. This is due in part to the fact that the fourteenth fell on Sunday and was generally observed on that day as well as on Saturday and Monday. At times the stores closely resembled the Easter period, so good was the business. Stock, while not over-plentiful, was to be had in sufficient quantities with the possible exception of American Beauty roses. Cattleyas sold very well. Other favorites were sweet peas, violets, baby primrose, forgetmenots, yellow daisies and pansies, for there was a very good call for corsage bouquets. Lilies are not as plentiful as they have been. Up to the present week there has been an almost exceptional shortage of carnations, but a freer supply appeared just in time for Saturday's business. The basket trade was good, and, added to all of this, there were a number of good decorations and plenty of funeral work. Narcissi poeticus registered its arrival during the week. The sale of narcissi has been much better.

New York Florists' Bowling Club, Thursday, Feb. 11.

	1st G. 1st	2nd G. 1st
J. Messing	171	179
W. P. Ford	17	153
C. W. Scott	156	167
A. M. Hershaw	149	166
W. R. Peterson	157	164
A. Schenker	118	152
H. C. Riedel	172	157
W. H. Safford	155	161
R. J. Irwin	151	157
F. Jacobson	144	163
F. Nappert	176	166
J. Nappert	153	149
J. Penta	179	167

YOU ARE SURE of GOOD RESULTS

If You Use DIAMOND BRAND COMPOST

WELL-ROTTED HORSE MANURE
Dried—Ground—Odorless

For mulching it cannot be equaled as it is nutritious, immediate and convenient to handle. Always ready for mixing with soil for potted plants and soil for benches. Largely HUMUS, rich in plant foods and positively free from weed seeds. It also makes a rich liquid manure. Write for Circular "B" and prices.

NEW YORK STABLE MANURE CO
273 WASHINGTON STREET, JERSEY CITY, N. J.




NIKOTEEN For Spraying
APHIS PUNK For Fumigating
ASK YOUR DEALER FOR IT.
NICOTINE MFG. CO. ST. LOUIS, MO.

PUBLICATIONS RECEIVED.

The Proceedings of the Thirtieth Annual Convention of the Society of American Florists and Ornamental Horticulturists has come to hand from the Secretary's office. It is much the largest publication ever issued by the society, comprising 350 pages, in addition to a number of full page illustrations of views in the Minneapolis and Boston Convention Gardens, together with folded diagrams of the layout of the two gardens. Mr. Young has incorporated a large amount of interesting and valuable matter in this report, which alone is well worth the annual cost of membership to any progressive horticulturist.

On Sunset Highways. A Book of Motor Rambles in California. By Thomas D. Murphy, California is in the limelight this year and Messrs L. C. Page & Co., of Boston, publishers, have started the year auspiciously with this captivating book on California scenery which will unquestionably enjoy a very large sale. The volume is embellished with 16 full page illustrations in full color from original paintings mainly by California artists and 46 duogravures from photographs of rare artistic excellence, also an automobile road map of the State. The chapters cover a wide stretch including the country round about Los Angeles, San Diego and the Imperial Valley, Santa Barbara and Old Monterey, San Francisco, Clear Lake Valley, San Antonio and La Pursima. Mountain grandeur, noble forests, flower carpeted valleys, orange groves, vineyards, ancient mission ruins, country byways, rugged passes and canyons, beaches, ranches and camps are all pictured to the mind vision of the reader in a manner which shows the author to be an ardent and romantic lover of nature. We can unreservedly commend the book as a most interesting and useful introductory guide to any of our readers who are contemplating a trip to the Sunset Land this year. The price is \$5.00 net and the book can be supplied from the office of HORTICULTURE.

The Princess and the Clan. This is another publication just out, by The

Page Company of Boston. The name of this publishing house is a sufficient guarantee of excellence, whether of fiction or history. The writer of this story is Margaret R. Piper already well known as the author of "Sylvia's Experiment," "The Cheerful Book" and other productions of merit. As a birthday or vacation gift for a young lady especially, "The Princess and the Clan" will just fill the bill. It is beautifully bound and illustrated. Price \$1.50 net.

CATALOGUES RECEIVED.

J. Bolgiano & Son, Baltimore, Md.—Bolgiano's Big Crop Seed Potatoes.

Lord & Burnham Co., New York—Illustrated Folder of Hot Bed Sash and Cold Frames. "How to give your garden a running start" is the title.

W. Atlee Burpee, Philadelphia, Pa.—New Edition for 1915 of Burpee's 35th Anniversary Supplement. This is a history, service book, story book, picture book and manual of philosophy, wit and wisdom such as only emanates from Burpee's. We can't begin to fittingly describe it. Just send for a copy for yourself.

Stumm & Walter Co., New York.—General Catalogue for Spring 1915. A handsome catalogue displaying flowers of Salpiglossis superbissima and King asters as cover adornments in colors. 150 pages of illustrated lists presented in attractive and comprehensive form. A publication which will interest and capture the public wherever it reaches them.

Galloway Brothers & Co., Waterloo, Ia.—General Catalogue for 1915 of Galloway "Hi-Quality" Pure Seeds. This is certainly "some catalogue" and is one of the liveliest and most enterprising stunts in its special line that we have ever seen. There is much that is unique and novel in the make-up of its 140 pages, not the least of which is the use of colors in many of the numerous illustrations with which it is embellished. The typographical work is really exceptional and if the contents do not wake up the agricultural and gardening public then they must be indeed dead. An ingenious trading scrip sheet goes out with each catalogue.

LIQUID = "NICO-FUME" = PAPER

40% Nicotine		
8-lb. can	.....	\$10.50
4-lb. can	.....	5.50
1-lb. can	.....	1.50
1/4-lb. can	.....	.50

288 sheet can	.....	\$7.50
144 sheet can	.....	4.00
24 sheet can	.....	.85

THRIPS, - APHIS

SPRAYING—VAPORIZING—FUMIGATING

YOUR DEALER HAS THESE PRICES

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Incorporated, Louisville, Ky.

South American Sheep and Goat Manure



We have just landed the Third 1000 Ton Cargo in New England and it is certainly as good or even better than the last. If South American Goat and Sheep Manure had not come up to the expectations of the growers who bought the first, or if we could not guarantee to furnish the same high grade article, which has built up for itself and for us such a splendid reputation from the very first start, we would never have had to send a ship after another 1000 tons. That's plain. We have an abundant supply for New England and it is our aim to keep this right up to the high standard you know it to be. It is ground fine and is clean to handle, makes an ideal liquid manure, which is safe. **WE GUARANTEE OUR S. A. S. & G. M. TO BE ABSOLUTELY PURE.** Spring is near and plants need feeding. For Roses, Carnations, Lilies, Ferns, Palms, or any other plants, our S. A. S. & G. M. will do just what a full meal will do for a hungry man.

Write for Sample and Price, Today.

SANDERSON FERTILIZER & CHEMICAL CO. Sole N. E. Distributors **NEW HAVEN, CONN**

LEMON OIL CO.'S STANDARD INSECTICIDE

Guaranteed under the Insecticide Act, 1910. Series No. 321
Save your plants and trees. Just the thing for Greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrip, Red Spider, Black and Green Fly, Mites, Ants, Insects on Rose-bushes, Carnations, etc., without injury to plants and without odor. Used according to directions our standard Insecticide will prevent ravages on your crops by insects.

Non-poisonous and harmless to user and plants. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pests. Excellent as a wash for dogs and other animals. Relieves mange.

Effective where others fail.
1/2 Pint...25c; Pint...40c; Quart...75c
1/2 Gal., \$1.25; Gal., \$2.00; 5 Gal. Can., \$9
10 Gal. Can., \$17.50

Dilute with water 30 to 50 parts.
For Sale by Seedsmen and Florists' Supply Houses
If you cannot obtain this from your supply house write us direct.

LEMON OIL COMPANY, Dept. K
420 W. Lexington St., Baltimore, Md.
Directions on every package



Unequalled for Greenhouse and
Landscape Fertilizing

THE PULVERIZED MANURE CO.

31 Union Stock Yards, Chicago

Aetna Brand Tankage Fertilizer

Is the best balanced Fertilizer on the market, and is giving satisfactory results wherever used.

Farmers and Florists Fertilizer Company

809 Exchange Ave., Room 5, U. S. Yards,
CHICAGO, ILL.
Telephone—Drover 1932.

Plantlife Insecticide

A tobacco preparation used by the best growers for dusting and spraying.

Write for book of testimonials and prices.

THE PLANTLIFE CO.

251 East 66th St., New York, N.Y.



The Recognized Standard Insecticide.

A spray remedy for green, black, white fly, red spider, thrips, mealy bug and soft scale.

Quart, \$1.00; Gallon, \$2.50.

FUNCINE

An infallible spray remedy for rose mildew, carnation and chrysanthemum rust.

Quart, 75c; Gallon, \$2.00.

VERMINE

A soil sterilizer for cut, eel, wire and angle worms.

Quart, \$1.00; Gallon, \$3.00.

SCALINE

A scaleicide and fungicide combined for San Jose and various scale on trees and hardy stock, and various blights which affect them.

Quart, 75c; Gallon, \$1.50.

NIKOTIANA

A 12% nicotine solution properly diluted for fumigating or vaporizing.

Quart, \$1.50; Gallon, \$4.50.

If you cannot obtain our products from your local dealer, send us your order and we will ship immediately through our nearest agent.

Aphine Manufacturing Co.

MADISON, N. J.

GEO. A. BURNISTON

President

M. C. EBEL

Treasurer

SCOTCH SOOT

Where there is a house that is just full of buds almost ready to show color, nothing will turn better color into the flowers than a little soot, that can be scattered over the benches before watering. The amount applied should not be excessive, as the soot is very strong and may damage some of the foliage somewhat. Apply just enough to blacken the surface of the soil in the benches, and let it go at that. Better a little oftener than too much all at once.

We offer the genuine in original cwt. Sacks, at:

\$4.00 per 112 lbs.; \$17.50 per 560 lbs.

Stumpp & Walter Co.

30-32 Barclay Street, NEW YORK

When writing to advertisers kindly mention HORTICULTURE.

Cocoanut Fibre Soil WAR

Does not stop the use of Humus. All seedsmen keep it in stock. It is the last word in Fertilizing Humus. Send for Prices.

20th CENTURY PLANT FOOD CO.
27 & 29 OCEAN ST., BEVERLY, MASS.

Est. 1765

FOR "POT LUCK" USE

Inc. 1904

Pot Makers for a
Century and a Half**HEWS STANDARD POTS**World's Largest
Manufacturers

AND RED EARTHENWARE SPECIALTIES

Write for Catalogue
and Discounts**A. H. HEWS & CO., Inc., Cambridge, Mass.**Warehouses:
CAMBRIDGE, MASS.
NEW YORK, N. Y.**DREER'S "Riverton Special" Plant Tub**

No.	Diam.	En.	Dog.	100
10	20 in.	\$1.45	\$16.00	\$130.00
20	18 in.	1.30	14.00	115.00
30	16 in.	1.00	11.25	92.00
40	14 in.	.65	7.00	58.00
50	12 in.	.45	5.00	40.00
60	10 in.	.38	4.00	32.00
70	8 in.	.30	3.50	28.00

Manufactured for us exclusively. The best tub ever introduced. The neatest, lightest and cheapest. Painted green, with electric welded hoops. The four largest sizes have drop handles.

HENRY A. DREER, Seeds, Plants, Bulbs, and Supplies, 714 Chestnut Street, Philadelphia, Pa.

Obituary**M. J. Miranda.**

Mortimer Josiah Miranda, one of the oldest florists of East New York and Queens, died at his residence, No. 6 North Vermont street, East New York on February 10.

John B. Hanft.

John B. Hanft, founder and for sixty years a member of the firm of Hanft Bros., florists, died at his home, 125 E. 87th street, New York City, on February 10, aged 83 years. His first store was located in Grand street, in 1854. Mr. Hanft leaves a widow, five sons and five daughters.

Lucius H. Mann.

Mann Bros. of Randolph, Mass., are receiving the sympathy and condolences of their friends upon the death of their father, who passed away last Sunday evening, after a shock received from a fall two weeks before. The late Mr. Mann was about 77 years old and had been connected with his sons' business for a number of years. The funeral took place Wednesday from the home in Randolph.

Richard Groves.

Richard Groves, formerly in the retail florist business as the Park Floral Co., at San Francisco, Cal., was struck by the Southern Pacific Stockton flyer Saturday night, January 30, at San Leandro, Cal., and was almost instantly killed. Mr. Groves was born in Atchison, Kans., in 1870, where his father has been in the florist business

for half a century. Since disposing of his retail business last year he has been engaged in the wholesale trade in San Leandro.

Jesse E. Northrup.

Jesse E. Northrup, for many years head of the firm of Northrup, King & Co., seedsmen, Minneapolis, Minn., died in that city, Feb. 4, aged 58 years. He was born in Saline, Mich., Dec. 1, 1857, and entered the seed business in 1879. In 1884 he removed to Minneapolis, since which time his name has been associated with the wholesale seed business of that city. He was prominent in the affairs of the American Seed Trade Association, and served as its president in 1901-1902. He is survived by one son and three daughters.

INCORPORATED.

West Park, O. Thompson & Allen Gardening Company, capital stock, \$25,000.

Montezuma, N. Y.—Montezuma Garden Company, capital stock, \$15,000. Incorporators, John and Norman D. Steve.

Greensboro, N. C.—Scott Seed Company, capital stock, \$25,000. Incorporators, W. C. McLean, Clarence Scott, Ben C. Scott.

BUSINESS TROUBLES.

Salem, O.—James E. McNeelan has been appointed receiver for the Bon-sall Greenhouses.

Birmingham, Ala.—The business of John A. Landert, florist, is reported to be in the hands of a receiver.

GREENHOUSES BUILDING OR CON-TEMPLATED.

Baltimore, Md.—M. Hilpert, additions.

Nashville, Tenn.—Louis Haury, Jr., eight vegetable houses each 20 x 100 and one house 10 x 100, Foley construction.

Omaha, Neb.—F. H. Swanson has leased the Arnold Greenhouses, 1418 North 18th street, in which he will grow bedding plants and lettuce.

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800 3 1/2 " " @ 5.80	120 7 " " @ 4.20
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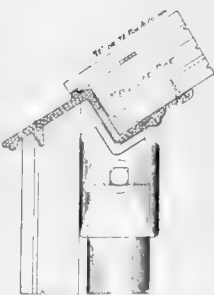
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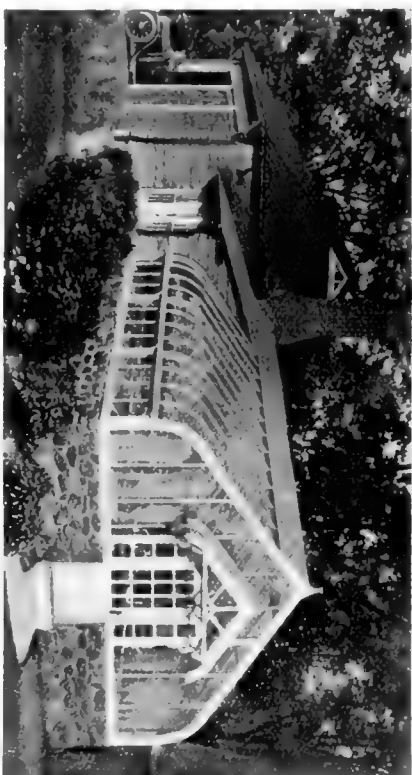
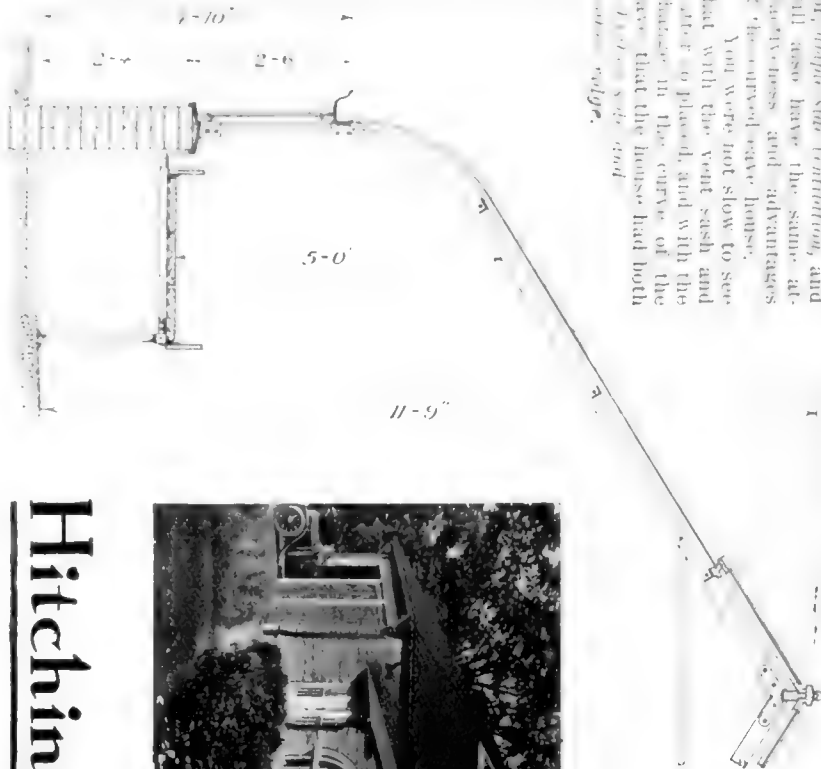
MANY of you who attended the New York Flower Show last March saw for the first time our *Reconstructed Curved Eave Greenhouse Construction*, for private places.

You saw that we were the first to successfully overcome the objections so many of you have had to the curved eave house, because of its insufficient side ventilation, as furnished by wall vents.

You saw that in taking the cutter from the top of the foundation wall and placing it at the eave, and then hinging the side vent sash to it, you could once again have the much longed for *ample side ventilation*, and still also have the same advantages of the curved eave house.

You were not slow to see that with the vent sash and sash roller placed, and with the balance in the curve of the eave, that the house had both *a full side and a full ridge*.

You will see from this detail that the new Hitchings & Co. curved eave allows for side ventilation under a foot more head-room over the benches and the ridge is a foot higher.

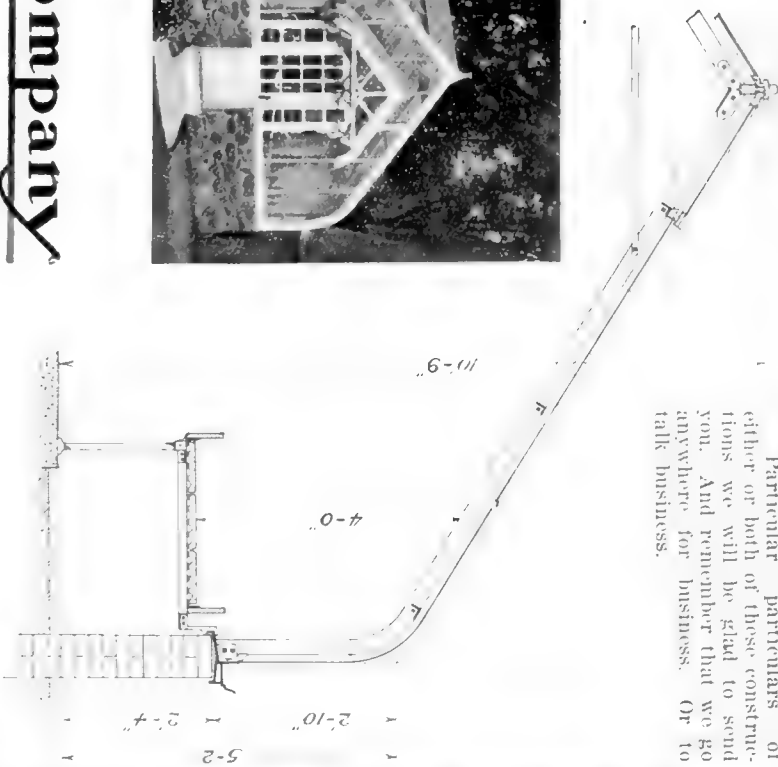


These are two things which have never before been so satisfactorily accomplished with the curved eave construction.

We have built several of these houses in the last year and, so superior and thoroughly satisfactory have they proved in every way, that you just mark our word, and see if other greenhouse builders will not soon be following our lead and be offering houses strikingly similar to ours.

Just as we were the first, in our Reconstructed Commercial Construction, to build a house with the rafters spaced 12 feet 1 1/2 inches apart, instead of the old time 8 feet 4 inches, just so we were the first to Reconstruct the Curved Eave Construction.

Particular particulars of either or both of those constructions we will be glad to send you. And remember that we go anywhere for business. Or to talk business.



This old style has got the broad sweep of the new construction—but is inclined to be "squeaky" and contracted.

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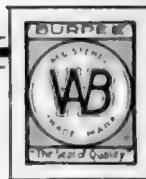
Vol. XXI
No. 9
FEB. 27
1915

HORTICULTURE



Specimen *Cattleya Mossiæ Reineckiana*

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Floradale Farm—the California home of Sweet Peas—produces in addition to tons of Sweet Pea seeds the very finest strains of Centaurea Imperialis, Cosmos, Dahlias, Delphiniums, Dimorphotheca, Eschscholtzias, Hollyhocks, Marigolds, Pelargoniums, Nasturtiums, Petunia, Pentstemon and Verbena.

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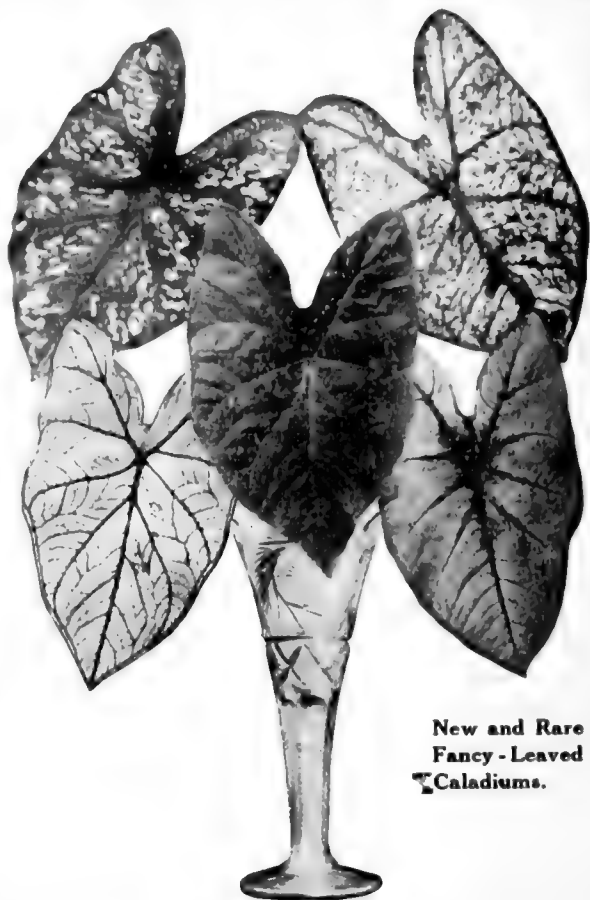
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5 & 6-in. Dracaena indivisa, 20c and 25c each		

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NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil."—*Prope*.

Azaleas

The azaleas for Easter should now be placed in a slightly warmer house. As a rule, six weeks in an average night temperature of 58 to 60 degrees will suffice to bring any of the naturally late varieties into bloom, but there are some sorts, such as Deutsche Perle, Mme. Petrick, Apollo, and a few others which will require but little forcing. Spray the plants over twice a day during the bright weather. Discontinue this as soon as the flowers begin to open; give ventilation on all good days; see that none are allowed to become dry at the roots; give plenty of room between the plants. The azaleas should show color about three weeks before Easter so they can be hardened off in a low temperature. It is always better to hurry them now, rather than late in the season, as a few days in a cold house before being sold makes them better fitted to withstand vicissitudes. Carefully pinch out any leaf growth that may be showing around the swelling of the flower buds, which would only be at the cost of producing food flowers.

Bulbs for Easter

There is not much trouble in forcing bulbs, especially if you know your stock is furnished with an abundance of active roots. It is not always easy to time the various species under this head so as to be just right for Easter. In forcing these bulbs at this season it is well to figure on from three to five weeks. Tulips need about 70 degrees until the bloom is developed and should then be gradually hardened off in a cool house. Always select a cool bottom to place them on but a warm atmospheric temperature overhead. Narcissi and hyacinths are better when grown slowly in a temperature of from 55 to 60 degrees with a moderate bottom heat. Daffodils, hyacinths, tulips and others belonging to this class that are buried outdoors or under protection of some frame, should be brought into a cool house not later than the 25th of this month. When fully developed they should be placed on a cool bench in a semi-dark place to bring about an exquisite blending of their delicate tints which enhances their value.

Chrysanthemums

Give the stock plants a place well up to the glass and in full sun and they will give you fine sturdy cuttings. They will want a temperature not lower than 50 degrees at night, with 10 to 15 degrees higher with sunshine. Provide fresh sand to place the cuttings in, and when they are in the sand they should be kept just moist enough to prevent their wilting. When they have made roots about half an inch or so they should be potted off without delay. It only permanently weakens cuttings

to remain too long in the propagating bed. For the first potting you can use quite a bit of leaf-mold in the soil as the young roots delight in it. Shade until they become used to the sun and give plenty of ventilation.

Easter Lilies

From this out lilies will consume great quantities of water. They should now be well formed in crown growth. By the first week in March they should plainly show their buds clustering in the heart of the crown. If this is the case they will be in good time when held at a steady pace temperature of 60 to 65 degrees. Any that show an inclination to become stunted or evince slowness in growth after that date should be sorted out subjected to 10 or 15 degrees higher, which usually will bring most of them in line with the rest, provided, of course, that they were sufficiently furnished with roots. To enlarge the flowers and give color to the foliage, liquid feeding once or twice a week will prove a great benefit. Lilies of the Japan longiflorum class, only recently started into active growth, if well rooted, can still be forced into bloom by Easter, but need driving hard. A gradual daily rise in temperature until by the second week in March the 75 degree mark is reached and then steadily adhered to will promote development.

Gladioli for Memorial Day

It is time now to plant gladioli for Memorial Day. Give them a bench in a house kept at 48 to 50 degrees at night. Use such varieties as Brenchleyensis, Augusta and America, which are all excellent sellers. Do not use any fresh manure which will come in contact with the bulbs. If you have no old manure, try fine bone and pulverized sheep manure, incorporating them well with the soil. Of course, so much depends on climatic conditions that it is not easy to hit the date just right with this crop. Again, the bulbs do not all flower at one time, which is, generally speaking, an advantage. The market for gladioli spikes is usually good in April and May, and fairly good in June, and there is not much likelihood of spikes being wasted even though a good many of them flower before and after Memorial Day. In order to secure an early crop of such varieties as Colvillei The Bride, Peach Blossom and Blushing Bride, every week or ten days bring a few flats into a house kept at 48 to 50 degrees at night.

Sowing Moonflowers

Seed should be sown now. They can be sown in any light sandy mixture and placed in a warm house until they come up, when they will do better in a temperature of about 60 degrees than when kept at 70. When large enough to handle, pot off and grow on.

Rhipsalis pachyptera, Pfeiff



RHIPSA LIS PACHYPTERA

Reproduced by permission of Brooklyn Botanic Garden.

The genus *Rhipsalis*, whilst not possessing any great claim to horticultural consideration, contains one or two species that are worthy of culture on account of the weird and interesting forms that they assume.

Rhipsalis pachyptera, a photograph of which, taken from a plant in the Brooklyn Botanic Garden, appears herewith, presents a rather pleasing appearance when in bloom. Its blossoming period is late winter or early spring, and the flowers are produced in great abundance along the edges of the flattened leaf-like stems. Owing to the unsuitable background these flowers do not show up so well in the photograph as they should do. The color of the flowers is creamy yellow, and they have numerous, conspicuous, white stamens.

The plant is a native of Brazil and has been in culti-

ated for a number of years. It was figured in the Botanical Magazine for 1828 under the name of *Cactus* *sp.*

Its culture is easy; it potted in open soil, containing a proportion of peat, and grown in a greenhouse with a minimum temperature of 50 degrees. It should be given a sunny position. Propagation is readily effected by means of cuttings of the joints, taken from the plants as soon as they are finished flowering, and inserted in sand. Like most of the Cactaceous plants they are benefited by being plunged out-of-doors during the summer months and, in the case of the subject now under consideration, it results in the joints assuming a reddish color.

Montague Tree

Brooklyn Botanic Garden.

The Chinese Tree Lilac

The Japan tree lilac created quite a furor when it was introduced and Jackson Dawson's favorite one which he raised from seed made a remarkable showing and was a mark for the kodak for a long time. But after years of acquaintance with both we have decided preference for the Chinese—*Pekinensis*. With us it is a more rapid grower and a far more satisfactory bloomer. The foliage is finer, the twigs are smaller. We have some 17 years old which are seven inches through and 20 feet tall and in summer they are overwhelmed with great masses of snowy white, honey-scented flowers. Sixteen years ago we sent one to Mr. Campbell, publisher of "The Fruit Grower," St. Joseph, Mo., and he reports it as 11 inches in diameter and 25 feet tall. It is destined to be a foot through or more and 50 feet tall. It endures our hot dry weather better than the Japs, which are somewhat inclined to sunscald. For lining walks or as an individual tree it is a grand success.

C. S. Harris.

York, Neb.

HOLLY CULTURE.

Editor HORTICULTURE:

My Dear Sir: In Mr. Vincent's lecture at Easton on February 10 he referred to the question of holly trees and their coming value. I am writing to ask in what way they will probably become valuable and how they might be propagated. I have had poor experience in transplanting them and wonder if they could be secured from the seed of the berry, and if so, when they should be planted out. It seems to be hard to find a season for transplanting them. I have some ground that would be adapted to them.

Thanking you for any information you may give me, Yours very truly,

Ma

J. B. S.

In answer to the foregoing inquiry in regard to holly trees, etc., I would say that there is no doubt of the coming value for good well-berried holly, as the supply is getting more limited each year, more by wanton carelessness in cutting than necessary; the whole tree being slashed down to obtain a few scattering limbs. A great deal of the holly cut at random is of poor quality and very little is obtained for it, but a good brand always did and will command a good price, especially in the near future.

My reference has much to do with the natural plantations, much of this land not being suitable for the best

farming purposes. These natural plantations would require but little attention except to keep some other growth from smothering the holly out. This could be easily accomplished by cutting such trees or bushes out as were crowding the holly crop.

As to the transplanting; most people try for too large a bush; small bushes transplant easier and are more apt to grow. Good seed gathered from the best bearing trees can be sown in a bed in the wood lot as soon as mature; not sown very deep, so that the winter's freezing will easily reach them. These do not always come up till the second spring. These, when young, can easily be transplanted and even then after they get a few years' growth on them can be handled much better than wild ones dug up, and will make an appearance after a while. Please do remember that the holly tree runs in sexes and you will find large trees in the woods that have not been cut simply because they were male trees and never bore any berries. You have got to have a few of these in a grove or the insect will fly away hunting other pollen and neglect yours.

I hear a party advocating the moving of large trees of holly and other varieties of trees growing wild. This is a hard and expensive job if followed out under his suggestions, which I would not advise. The best time to transplant these from the woods would be early after the first hard frost. Protect and shade them with pine or cedar brush for a limited time.

R. VINCENT, JR.

Whitemarsh, Md.

DO YOU KNOW THAT—

Mr. Bennet, of Toulouse, France, was the first man on record to select and sow seeds of the chrysanthemum; this was in 1826.

One of the best formulae for the compost heap for roses is the following: First a layer of sod one foot thick, then a six-inch layer of cow manure with a good sprinkle of air-slacked lime over same, then another foot layer of sod and again a six-inch layer of cow manure with a good sprinkle of air-slacked lime, and top off with from four to six inches of fine sod.

ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur Ruzicka

Questions by our readers on life with any of the topics presented on this page will be promptly received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the Editor of HORTICULTURE.

Crowding Roses

With the coming spring there will be a big demand for bedding stock and many growers will be tempted to crowd as much of it as they can among the roses. This may pay the small grower with two or three greenhouses, but we have reason to doubt it, and if we were to grow stock of this kind we would take out a poor bench of roses, and devote the entire space to it. The plants thus grown will be a credit to the place, for with any care at all they should come along nicely. Plants that are placed in among the roses will soon run up thin and sprawly, and will be lacking in quality that is so essential to gain a reputation or name in business these days. The roses will not be helped any by the stock being crowded in on them and will soon show that they do not like it. Better give the benches to the one thing, and grow that one thing well. It pays, as has been proved time and time again. Growers who grow one thing and grow it well, or grow several in separate houses, and grow these well, are the most successful, as we can see by watching some of the most prosperous places.

Ventilation

With the warm weather approaching, we get a warm day now and then, yes, several days in a group, that will be like spring, and if the houses are not looked after well, they will get quite warm. This should be avoided, and the thermometer should not be allowed to rise to over 78 degrees at the most or the plants will get soft, and will be worn out much before their time in the spring. Then, too, the flowers will be small if the houses are too warm, which will help reduce the quality of the stock, and the price will drop. Do not close the houses down tight at night unless there is a storm raging or a heavy wind blowing. A crack of air with heat turned on in the house will do wonders in keeping the plants hardy and vigorous, and will go a great way to prevent mildew, which is very common early in the spring.

Mulching

Although it is still early to depend on getting any real good weather, it will be necessary to watch the front of all benches to see that there are no places that are needing mulch very badly. Should there be it will be best to mulch these places, as the soil will dry out so fast that it will always be dry, and the result will be that the plants in these parts will become stunted, and will be very hard to get going again. It would be harmful to mulch the whole house, and will be better just to touch up. Bone meal can be applied now, for the plants will get the good of it before they are removed.

Houses for Summer Flowering

If there are any houses that are not doing very well, and roses are wanted early in the summer, it will be a good idea to cut plants down, and then let them come up fresh. Before this is done, dry the plants off gradually, also drop the temperature gradually until the houses run 54 at night if it is possible to get them as low as that. Then cut the plants off, and remove all loose soil and old mulch from around them, and let them dry off quite well. Begin first to water right around the plants and syringe very lightly two or three times a day on clear days until the growth starts. Then be careful with the water, and try to keep the plants on the dry side all the time. When the growths are an inch long mulch lightly with good manure, taking care not to put on too thick. This will send the shoots right up, after which it will be quite easy to keep them going. As soon as any buds appear, pinch them out while they are small, until the plants have quite a little wood, or until the stems are the desired length. The plants can then receive liquid manure as fast as they will take it, and they certainly will take it, once they start growing. Do not be worried over their sickly appearance right after they are cut down. As long as they are not over-watered they will come along very good. Keep them cool until after they are well leaved and branched.

MELONS UNDER GLASS.

Gentlemen:—Last year I planted several varieties of English and the American Emerald Gem melons on the same bench, and while the former varieties gave a good crop, the Emerald Gem did not produce a fruit, although it made a fine growth. Both had same treatment, and the same experience happened on every batch. Outside the Emerald Gem did fine, from the same packet of seed. Will be pleased to get the opinion of some of your readers on the above.

Faithfully yours,
T. A. L.

In answer to T. A. L.'s inquiry, I would say that the reason for the different results as described lies chiefly in the type of melon. The English Emerald Gem is raised from a type that has been selected and hybridized to produce a high class melon for use in the greenhouses in England, the climate being unsuited for raising

melons outdoors except in frames, the hot season not being long enough to mature the fruit. The American Emerald Gem is a melon from a type that has been improved for outdoor use, being of a more hardy nature suitable for outdoor conditions, consequently when it is planted in the confined and humid atmosphere of the melon house the change of conditions result in a fast growing plant with the tendency to produce a mass of foliage, in preference to a fruitful type of plant. If an early crop of American Emerald Gem is desired the best way would be to sow in April and plant out in frames in May, removing the sash after the hot season has commenced, making a gain of a few weeks in the crop. As a companion to the English Emerald Gem, T. A. L. would be well repaid to

grow Sutton's Perfection, which, when well-grown, is as near perfection as a well grown melon can be.

J. W. SMITH.

Referring to the inquiry about the green rose in our last week's issue, we learn that this curious freak *R. viridiflora* can be supplied by Conard & Jones Co., West Grove, Pa., who make it a point to carry a few of all these uncommon and odd things to accommodate all who call for them.

An interesting communication from "A Reader" has just come to hand. But the writer thereof failed to send his name which, under our rules is indispensable with any article we publish. Will "A Reader" please comply?

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probable unfriendliness on the part of the retail dealers towards such a movement. While the inference may be quite correct as regards a considerable section of the retail trade, yet it surely is not true of all, for there are to be found among the retail trade of every city many firms who in their regard for sterling business principles and modern financial practice have no superiors anywhere, whose approving co-operation would be given to any reasonable plan for the improvement of present conditions and who would welcome the general adoption and enforcement of proper credit regulations, one tendency of which would be to weed out unscrupulous and irresponsible business competition. The installation of rules to prevent the abuse of trade credit will be more easily accomplished and its provisions more cheerfully complied with if the element of antagonism between interested parties is eliminated as much as possible and, if the proposition of the wholesale dealers is presented in such spirit and manner, no organization of retailers can find justification for opposition or complaint. Events of frequent occurrence in the past have emphasized the great need of some better system of credit giving and when this shall have become a fact it will contribute not a little to the welfare of both buyers and sellers.

The Panama-Pacific Exposition is now a reality and for months to come the great tide of travel will trend westward to the City of the Golden Gate. The great distance which a majority of the present members of the Society of American Florists and kindred organizations must travel in order to attend the sessions of the annual convention this year will materially deplete the attendance from the older sections but there are favorable indications for a much better showing than has been generally believed to be possible. The wearisome features of such a journey across the continent in mid-summer can be greatly modified and to a very considerable extent eliminated by the social advantages offered in the several plans which are now being matured for travelling together and the breaking up of the monotony of the long trip by visits to places of note en route. It is quite likely that there will be at least two of these main parties, one composed of those who prefer to start sufficiently early to spend some eight or ten days in sight-seeing on the westward trip and the other for those who desire to go straight through and limit their indulgence in the stop-over privilege to the homeward trip. Thus all tastes may be fairly gratified without sacrificing the pleasure of agreeable company. On behalf of the gentlemen who are giving so much of their time and best thought to the perfecting of these itineraries for the general comfort and pleasure we would urge upon our readers who contemplate going to San Francisco the desirability of giving prompt consideration to the plans presented and making known their decision as early as possible, for the preparatory labor in the effort to please and accommodate all in such a proposition is far from simple.

A Beautiful Cattleya Specimen

Our cover illustration shows a remarkable specimen of the lovely white-petalled *Cattleya Mossiae* Reineckiana which flowered as shown in the Julius Roehrs Co., establishment at Rutherford, N. J., and is said to be the finest blooming plant of this variety ever seen. When photographed it carried sixteen leads bearing sixty-eight flowers of exceptional size, many of them being seven inches across.

For
better business
methods

Many of our readers will probably have noticed in our account last week of the formation of a protective association by the wholesale dealers and growers in Boston, the statement that no retail dealers were present at the meeting. Of course, this was quite natural as the business in view primarily concerned the wholesale trade. Yet the mention of their absence would seem to mildly intimate

A CARNATION TRIO

S. J. GODDARD.

A visit to Goddard's range in Framingham is really a visit to a carnation show, for the blooms to be seen there are at all times of high grade. A varied stock is grown, consisting chiefly of carnations, and including pot plants, callas, freesias, sweet peas, fuchias, etc., which are needed to supply a large local retail trade.

Mr. Goddard likes his latest house, of King construction, and in his opinion it is one of the best houses on the range. His carnations are all grown on benches. Pink Delight is one of his favorite varieties and White Perfection does better with him than any other white carnation. Sweet peas are grown on the posts and ivy covers the soil beneath the benches, so but little space is wasted here. We noted some ten promising seedlings, all in shades of red, which Mr. Goddard is confident will produce results in the near future. These are all from Domer's seedling No. 5908. The best one seemed to be No. 16, a maroon, prolific, large blooms, good color, etc., which will be tested for a few years yet before putting it on the market.

To every bunch of carnations that goes to the market a label is attached, on which is printed the name of the firm, the number of blooms and the name of the variety. This is indeed a step in the right direction, making his product different from the rest and sought for because of the high quality that the tag guarantees.

W. R. NICHOLSON.

"A chip of the old block" is Wm. R. Nicholson of Framingham. What his father did by way of the carnation, Nicholson Junior is doing and more. There are ten houses, covering about 50,000 sq. ft., three of them big Lord & Burnham structures. One was the first L. & B. house built in this vicinity. The first houses built by the elder Mr. Nicholson in 1890 were up-to-date and big for that time, but as they stand today, 20x100 feet, they are rather puny edifices in comparison.

White Wonder, Beacon, Matchless, Benora and Pink Delight are the best commercial varieties in W. R. Nicholson's opinion. These are grown in wood benches, although he stated that beds, if made well, were just as good. These benches are of cypress, about 17 years old and still solid. In his opinion the only advantage to concrete is that it looks better.

Mignonette and freesias are also grown here in large quantities. Spencer sweet peas are grown on the posts. The mignonette is of a particularly good strain. Yellow marguerites, callas and gypsophila make up the rest of the stock, all of which is disposed of at wholesale.

The storage house is an interesting place. The walls are partitioned off, so that all around the room there is an air space which connects with a ventilator from the outside. The air in the room is thus kept fresh and cool all the time.

The propagating house is being

widened and instead of running the benches lengthwise, they are to be built across the width of the house, making small benches which can be individually regulated as to temperature, etc. Mr. Nicholson also contemplates building a large house in place of two small ones that now stand.

J. A. NELSON.

J. A. Nelson of Framingham, Mass., started into business about eleven years ago with one little house. Today there are eight houses, in which a variety of stock is grown. The principal crop is carnations. His product was exhibited for the first time at Buffalo last month and for a first attempt Mr. Nelson was quite successful. About 15,000 blooms are cut each week, shipping to Boston daily. Three small houses are devoted to single violets.

We noted locust posts on the sides of one house. These were quite irregular and seemed out of place in a modern greenhouse, but Mr. Nelson states that locust posts are just as durable as cypress, in fact, more so. The glass in this house was laid the long way across, making a very light house. All the houses were put up locally, only the materials being secured from the big construction firms.

White Enchantress is the best white and Harry Fenn the best crimson grown here. The latter made a particularly fine showing. All the newest varieties are to be seen blooming in profusion. Mr. Nelson states that Alice Coombs was the best of the new carnations shown at Buffalo. S. L. F.

BRITISH HORTICULTURE.

Items of Interest.

After 34 years valuable service on the Fruit and Vegetable Committee of the Royal Horticultural Society, George Bunyard, of Maidstone, a well known fruit expert, has resigned. His colleagues have shown their appreciation of his services by presenting him with an illuminated address and gold scarf pin.—The Royal Horticultural Society's spring flower show has been fixed to take place at Chelsea on May 18, 19 and 20. The summer show will be held at Holland House, Kensington, on July 6, 7 and 8.—"The Sweet Pea Annual," issued by the National Sweet Pea Society, has recently been published. It is crammed with informative articles as to this increasingly popular flower from the pens of the leading experts. It is pointed out that the official trials have not yet revealed any reliable cure for the dreaded streak disease. Not one of the preparations tested had any value in preventing or checking the disease. At the annual meeting of the National Chrysanthemum Society, the report presented showed that although the Society's operations were interfered with last year owing to the war, all the liabilities had been met out of the current revenue. The following officers were elected: President, Sir Albert Kaye Rollit; chairman, T. Bevan;

vice-chairman, E. F. Hawes; treasurer, John Green; foreign secretary, C. Harman Payne; auditors, A. H. Stevens and W. Wallis; secretary, R. A. Witty.—N. N. Sherwood, head of the firm of Hurst & Sons, wholesale seed merchants, has been appointed a magistrate for Essex—a famous seed growing country. W. H. ADSETT.

FEAST OF REASON AT PHILADELPHIA.

A Farmers' Institute meeting of The State Board of Agriculture of Pennsylvania, under the auspices of the Pennsylvania Horticultural Society and The Florists' Club of Philadelphia, will be held in Horticultural Hall, Philadelphia, on Friday, March 5th and Saturday, March 6th, 1915. Afternoon sessions 2 to 5 P. M.; evening sessions, 7.30 P. M.

The bill of fare for this event is "some entertainment"—and all free! Don't miss it. George W. Kerr, James Boyd, Robert Pyle, Dr. Huey, and others are to add liveliness and variety to the splendid catering of the professors from the state department. This is a revival of our dear old friend Edwin Lonsdale's pet hobby, and the first that Philadelphia has had in about eight years. There will be lantern views Friday evening. Take in these movies—and bring the family. Don't forget the date, Friday and Saturday, March 5th and 6th.

HAY FEVER AND GOLDEN ROD.

Editor of HORTICULTURE:

Dear Sir:—Anent your fling at the hay-fever victims, who believe that the golden rod, the oxeye daisy, and other fall flowers of the composite type are responsible for their discomforts:—If you ever get the hay-fever, you'll not believe any such thing.—you'll know it, and there'll not anybody have to tell you about it, either. There probably is also a predisposing cause resident in the patient himself; but that predisposing cause will not produce the hay-fever except in the sphere of influence of those flowers, nor will the affliction persist, even in the height of the season, more than two days after the patient passes beyond that sphere of influence.

I do not blame you, however, for your attitude toward the proposed legislation. I spent a season, years ago, opposite a daisy patch of surpassing beauty on the top of the old Audover hill, and I have feelings about those flowers myself. My attitude toward the legislation would be: if a majority, or a near majority, of the people have hay-fever, destroy the flowers; if only an occasional sufferer, let the state furnish him a sea voyage, or a trip to the Berkshire Hills, or to the Maine woods. The hay-fever is awful; I know, for I am a victim.

Very respectfully,
E. C. L.

CLUBS AND SOCIETIES

LANCASTER COUNTY FLORISTS' CLUB.

Fifteen seemed a small crowd for us to have on a visiting trip, but weather conditions have considerable to do with this club, as quite a few of us are dependent upon ourselves for the care of our greenhouses, and they are, of course, the first consideration.

Manheim and the Hostetters was the objective point, and in a general way the three places all owned by Hostetters were in good shape and the stock looking like a money-making proposition. Sweet peas of the Spencer type planted alongside of the older sorts demonstrated the paying qualities of the Spencer's better than a day's argument could have done. At E. P. Hostetter's many had four perfect flowers to a stem and stems fifteen inches long. He also had white and yellow snapdragon of exhibition quality, *Primula Forbesii* by the thousand for cuttings, four large house plants to *Asparagus Sprengeri* and *plumosus*, double sweet alyssum wherever there was room to plant it, and carnations house after house of them. He is very favorably impressed with Matchless and has quite a large planting of Georgeous and Philadelphia, both of which are giving satisfactory results. Victory for a red and Winona for a pink are grown here in quantity and considered good money makers.

The meeting was started promptly at 7.30 p. m. and a grand exhibition of cut flowers staged. A. J. Guttman sent Laura Weber and Peace, both attracting favorable attention, but the white one, Peace, seemed to receive the most honors. F. Dorner & Sons Co., sent Pink Sensation and Good Cheer. Pink Sensation was at once declared to be head and shoulders over all others. S. S. Pennock-Meehan Co. sent Akehurst in good shape and a very good looking red from C. H. Frey, of Lincoln, Neb. The latter certainly has some keeping qualities to be sent to Philadelphia reshipped to Lancaster and make a good showing. Peter Fisher sent Alice and it came through in fine form. E. Winkler, of Wakefield, Mass., sent Morning Glow, which looks as if it might be a productive variety. Among the local growers, Ira Landis, of Paradise, had a fine vase of Benora, one of Princess Dagmar and Yellow Prince, also an exceptional fine lot of *Freesia Purity*. Willis Girvin, of Leola, had *Gloriosa*, Matchless and Mrs. C. W. Ward. Elmer Weaver, of Ronks, had a vase of his white seedling, which is considered a good one by our growers here. H. D. Rohrer had a vase of his scarlet and Amos Rohrer, of Strasburg, a vase of White Wonder. The paper of the evening was a resume of the Buffalo Convention by Albert M. Herr and brought out quite an interesting discussion.

The visiting committee have outlined a trip to take in Stroud's at Stafford, the houses at North Wales, Heacock's and the Weiss establishment at Hatboro, returning to Philadelphia in time for the meeting of the Philadelphia Club, March 2. On March 13 a trip will be made to Christiana, leaving Lancaster 12.15 noon and stopping at the places en route on the return

trip home. April 15 will be observed as Ladies' Night, and on March 18 Charles H. Grakelow, of Philadelphia, has consented to give us one of his inimitable talks on the business.

ALBERT M. HERR

AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

A meeting of the executive committee together with a number of local members of the American Association of Park Superintendents was held on Saturday, February 20, at the office of Mr. Cabot Ward, Commissioner of Parks of Manhattan, at the Municipal Building, New York City. The following named gentlemen were present: President G. X. Amrhy, New Haven; W. H. Coldwell, Chas. Haible and Mr. Ross, Newburgh, N. Y.; J. B. Shea and W. J. Stewart, Boston; Fred C. Green, Providence, R. I.; M. C. Ebel, Madison, N. J.; John H. Beatty, H. W. Merkel, Frank L. Hamilton, John F. Walsh, E. A. Miller, W. C. Grassan, Geo. V. Nash and G. H. Burgevine, all of New York City.

The main business was a discussion of the date for the summer convention which is to be held at San Francisco this year and the most acceptable route to select. It was voted that August 18 be the day for the meeting of the Association at such hour as will conflict least with sessions of the S. A. F. M. C. Ebel presented an itinerary which met with general approval. It provides for stopping at various points of interest both going and coming. The plan is to constitute Chicago as the general starting point. Parties from points east of Chicago will round up at that city in season to start on the tour on the evening of August 7, on one or more special cars. The ticket, which includes R. R. fares and lower berth in Pullman sleeping car will cost \$155 for round trip from New York and other points in same ratio. The itinerary as laid out will occupy 30 days, but the tickets are good for 90 days. It was voted to invite members of other bodies who would like to join and members are extended the privilege of taking any friends along who may desire to take the trip. Mr. Coldwell offered the use of the rooms of the Coldwell Lawn Mower Company for headquarters of the Association while in San Francisco. A vote of thanks was accorded Mr. Ward for the use of his office.

CHRYSANTHEMUM SOCIETY OF AMERICA.

The fourteenth annual meeting of the Chrysanthemum Society of America will be held at Cleveland, Ohio, November 10th, 1915, and the annual exhibition in conjunction with the Cleveland Florists' Club will be held at the same place, November 10th-14th, 1915. An exhibit of chrysanthemums under the auspices of the Chrysanthemum Society of America in conjunction with the Gardeners and Florists of the Pacific Coast, will be held at the Panama-Pacific International Exposition, San Francisco, Cal., the date and other details to be announced later.

CHAS. W. JOHNSON, Sec'y.

HORTICULTURAL SOCIETY OF NEW YORK.

An exhibition of plants and flowers was held on Wednesday, February 17th, at the American Museum of Natural History. Unusually fine displays of cut orchid blooms were made by Mr. Clement Moore and Lager & Hurrell. The exhibit made by Mr. Moore was very rich in *Cattleya* forms, one of the most interesting being a cross made and reared by himself from *Cattleya Dowiana* × *C. Schroederæ*. The display of Lager & Hurrell was rich in genera and species. Much interest was added to the exhibit by the numerous displays of plants and flowers for which no premiums had been provided in the schedule. Special prizes were awarded to many of these. A business meeting of the society took place at 3.45, followed at 4 by an illustrated lecture by W. C. McCollom on "The Small Greenhouse: Its Use and Abuse." This was of great interest, and many practical methods were described by the lecturer.

The next monthly exhibition of the society will be held on Saturday and Sunday, May 8th and 9th, at the New York Botanical Garden, Bronx Park. The usual March exhibition is omitted on account of the spring show at the Grand Central Palace. The April show is also omitted, as it would follow too closely upon the big spring show.

The following premiums were awarded at the exhibition of Feb. 17th:

Vase of *schizanthus*: Henry Goldman, Deal Beach, N. J.; Anton Bauer, gard., 1st; G. D. Barron, Rye, N. Y., Jas. Linane, gard., 2nd.

Vase of snapdragons: Mrs. F. A. Constable, Mamaroneck, N. Y., Jas. Stuart, gard., 1st.

Vase of 50 *freesias*, arranged for effect: Henry Goldman, 1st; G. D. Barron, 2nd.

Three vases *narcissus*: Mrs. H. Darlington, Mamaroneck, N. Y., P. W. Popp, gard., 1st.

Collection of orchid blooms, commercial class: Lager & Hurrell, Summit, N. J., 1st.

Collection of orchid blooms, non-commercial class: Clement Moore, Hackensack, N. J., J. P. Mossman, gard., 1st.

Vase of 50 roses, arranged for effect: Mrs. F. L. Constable, 1st.

The following special prizes were awarded: Mrs. H. Darlington, for display of bulbous flowers, cash; Bobbink & Atkins, display of flowering shrubs, silver medal; G. D. Barron, display of cyclamens, cash; Ernest Iselin, New Rochelle, N. Y., Wm. Whitton, gard., cultural certificate for lilies; Henry Goldman, for vase of stocks "Empress Augusta Victoria," cash and cultural certificate; Clement Moore, for hybrid *cattleya*, a cross between *C. Dowiana* and *C. Schroederæ*, silver medal; Mrs. A. J. Moulton, West Orange, N. J., Arthur W. Jackson, gard., for display of *freesias* and tulips, cash; Mrs. F. A. Constable, for vase of Darwin tulips "Wm. Copeland," cash.

GEORGE V. NASH, Sec'y.

AMERICAN ASSOCIATION OF NURSERMEN.

Miss Ida Tarbell recently spoke before the Civic Club of Rochester, N. Y., her audience numbering over 400 business men. Among other good things uttered by the speaker was this: "You must cooperate or you will not get results;" and this leads us to remark that the executive officers of the American Association of Nurserymen are in full accord with the sentiment expressed by this noted journalist. Whenever a man fails to renew his membership in the American As-

THE NEW FRENCH HYDRANGEAS

FOR SPRING SALES AND MEMORIAL DAY

Our stock is in prime condition, retarded dormant plants from 6-inch pots, in fine shape to flower for Spring Sales or for Memorial Day; any of the varieties described below at \$30.00 per 100

Avalanche. A splendid large white with a well established reputation; an easy variety to force.

Bouquet Rose. Large trusses of rosy amber turning to bright pink; a favorite with all growers.

Dentelle. Entirely distinct, deeply fringed flower of a creamy white color.

E. G. Hill. Trusses of immense size, color a most pleasing shade of pink which does not fade; growth vigorous, foliage of a pea green color, large and attractive.

General de Vibraye. A favorite wherever seen; very large heads of bright rose colored flowers. A splendid early forcing variety.

La Lorraine. Very large flowers, pale rose, turning to bright pink; has become a general favorite.

Mme. A. Rivrain. Superb bright rose color; very vigorous and floriferous.

Mme. E. Mouillere. Probably the most popular white variety on the market today; an early easy variety to force.

Mme. Maurice Hamar. A delicate fresh-rose color, a vigorous grower, the individual flowers as well as the trusses being very large.

Mlle. Agnes Barillet. A splendid white; flowers large and very freely produced.

Mousseline. A beautiful mauve-rose with cream-colored center; the flower heads are large and held erect; a fine acquisition.

Mont Rose. Immense panicles of clear-flesh rose, entirely distinct, one of the best very early flowering varieties.

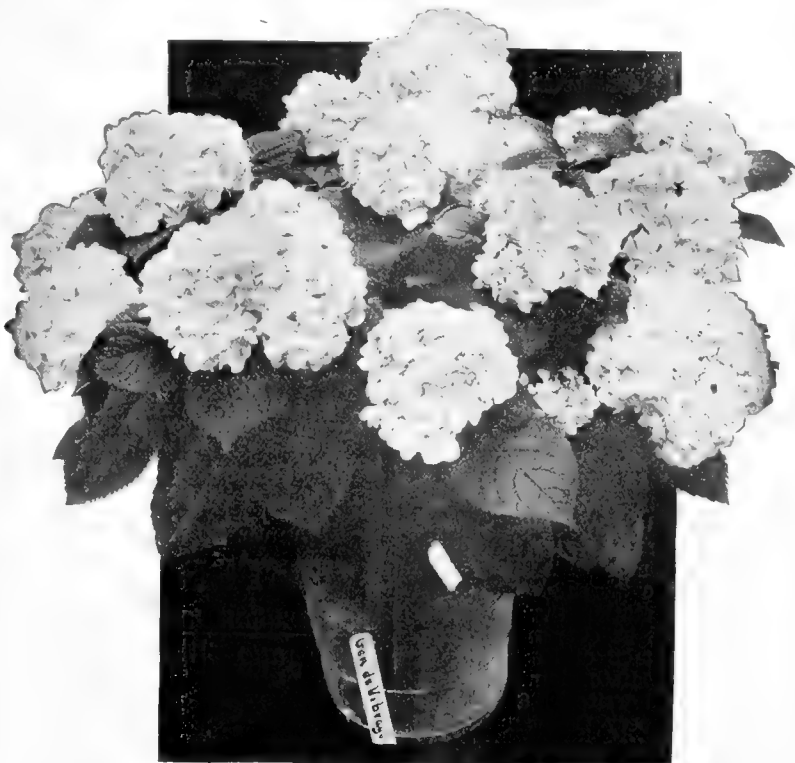
Ronsard. Flowers and trusses very large, of a beautiful rose-tint.

Souvenir de Mme. E. Chautard. One of the very best, of splendid erect habit, very robust, medium sized heads, of bright rose colored flowers; one of the very best of the Bouquet Rose type.

Senateur Henri David. Another splendid rose-colored variety, with red reflections; flowers produced in immense large heads; on the style of La Lorraine, but an earlier bloomer.

Vieux Chateau. Very large pure white, becoming suffused with delicate rosy carmine as they mature.

Hydrangea Otaksa. Dormant plants, 6-inch pots, \$25.00 per 100; 10-inch tubs, \$1.00 each; 12-inch tubs, \$2.50 each.



NEW FRENCH HYDRANGEA.

For full line of seasonable Plants, Bulbs, Seeds, Etc., see our current Wholesale Price List.

HENRY A. DREER, 714-716 Chestnut Street, - Philadelphia, Pa.

The above prices are intended for the trade only.

As Spring Approaches

Let us talk to you about

HARDY PERENNIALS

The public are beginning to realize that no grounds are really gardened without a big showing in Perennials. We have a big stock of all the best that grow and can stock you up at surprisingly low prices.

"Maximum Quality at Minimum Cost."

Palisades Nurseries

R. W. CLUCAS, Mgr.

SPARKILL, - - - N. Y.

Native Plants and Trees

RHODODENDRON MAXIMUM

- A SPECIALTY

WRITE FOR PRICE LIST

CHAS. G. CURTIS

CALLICOON, Sullivan County, NEW YORK

HOLLAND NURSERIES

BEST HARDY RHODODENDRON
AZALEAS, CONIFERS, CLEMATIS
M. P. ROSES, SHRUBS, AND HER-
BACEOUS PLANTS.

P. OUWERKERK, 210 Jane St., Westchester Heights
P. O. No. 1, Yonkers, N. Y.

THE FRAMINGHAM NURSERIES

200 ACRES,
TREES, SHRUBS,
EVERGREENS,
VINES, ROSES, ETC.

W. B. WHITTIER & CO.



FINE STOCK OF
RHODODENDRONS,
KALMIAS AND
ANDROMEDAS.

FRAMINGHAM, MASS

TREES

Largest assortment in New England. Evergreens, deciduous trees, both common and rarer varieties.

Sturdy, choice stock that can be depended upon. Send for catalog and special trade prices.

The Bay State Nurseries

North Abington
Mass.

SHRUBS

This New England soil and climate produces fine sturdy shrubs. Special trade prices. By the thousands, hardy Native and Hybrid Rhododendrons—transplanted and acclimated. Let us estimate.

THE National Nurseryman

Official organ of the American Association of Nurserymen. Circulation among the trade only. Published Monthly. Subscription price \$1.00 per year. Foreign subscriptions \$1.50 per year. In advance. Sample copy free upon application from those in the trade enclosing their business card.

National Nurseryman Pub. Co., Inc.

218 Livingston Building
ROCHESTER, NEW YORK

BOBBINK & ATKINS

Nurserymen, Florists
and Planters

RUTHERFORD, NEW JERSEY

Nursery Stock

Fruit and Ornamental Trees, Shrubs,
Small Fruits, Clematis, Evergreens
and Roses.

Write for Trade List.

W. & T. SMITH COMPANY, Geneva, N. Y.

sociation he is very anxious to get from one to three members cards which bear respectively such inscriptions as "The Association is interested in your interest. You could give it your support." "Results can only be achieved by united action," etc.

The Fortieth Annual Convention of this Association will be held in the city of Detroit, Mich., June 23-25 next. In a week or two every member of the Association and every legitimate nurseryman in the United States will receive the "Announcement" of the event, which in addition to containing much of the details of arrangement, programme of speakers and of entertainment, will make an urgent plea for prompt renewal of membership, as well as for responses from those who, whilst daily living in the enjoyment of the privileges and benefits secured for them by this Association, have hitherto turned a deaf ear to our appeals for their cooperation.

That the Detroit meeting is going to be a success no one questions, but it will be a much greater success in point of numbers and influence if every nurseryman who ought to be long responded to this invitation. A fee of five dollars per year is exceedingly small compared with the benefits afforded by a membership.

It is the expectation that a special railroad car will be chartered to convey the nurserymen of Rochester, N. Y., and the immediate vicinity. Those interested should write E. S. Osborne of Charlton Nursery Company. Final particulars regarding special rates and special car parties will be contained in the "Announcement." In the meantime John Hall, Secretary, 204 Granite Building, Rochester, N. Y., will gladly respond to requests for further information concerning membership, etc.

AMERICAN ROSE SOCIETY.

The annual meeting and exhibition of the American Rose Society will be held in Horticultural Hall, Boston, March 18th to 21st. The New York Flower Show at the Grand Central Palace occurs March 17th to 23rd. It has been arranged to stage roses at these exhibitions to conflict as little as possible, and the American Rose Society wishes to call attention to these dates. Roses in pots and tubs will be staged at Boston on Thursday, March 18th. All cut roses will be staged on Friday, March 19th, on which day the annual meeting will be held at 3 o'clock.

At the New York Flower Show, all pot-grown roses will be staged on Wednesday, March 17th. All classes of cut roses, except the special class for display of 1000 blooms, will be staged on Thursday, March 18th. This special class will be staged on Saturday, March 20th.

This arrangement allows an exhibitor the opportunity of exhibiting in New York on Thursday and in Boston on Friday. It allows visitors from a distance the opportunity of participating in both the New York Flower Show and the American Rose Society Annual Exhibition, which, in conjunction with the spring show of the Massachusetts Horticultural Society, will be especially attractive. The American Rose Society invites your attendance and your exhibit. Schedules may be obtained from Benjamin Hammond, Beacon, N. Y. We trust that our exhibition will be a credit to the

MATCHLESS A GREAT SUCCESS

MATCHLESS is the best and most profitable white carnation to grow, having no equal in earliness, vigor of growth and production. It is superior in size, fragrance and keeping qualities and is non-bursting. It is a continuous bloomer and is handled with ease by any grower.

Fine Rooted Cuttings for Immediate Delivery

\$ 6.00 per 100	\$ 50.00 per 1000
112.50 per 2500	200.00 per 5000

We also offer MRS. C. W. WARD

\$3.00 per 100	\$25.00 per 1000
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COTTAGE GARDENS CO., Inc. : : Queens, New York

EVERY PRIVATE GARDENER should grow my

NEW CARNATION "ALICE"

Because its exquisite shade of clear light pink (mid-way between Enchantress and Gloriosa) charms all who see it, and where limited space counts, it will prove a boon, as it is easily the most productive Carnation I have offered to date.

Rooted Cuttings, \$2.25 per doz.; \$16.00 per 100

Pot Plants, \$3.00 per doz.; \$20.00 per 100

Order NOW to prevent disappointment, as the demand is very heavy.

PETER FISHER, - - Ellis, Mass.

Asparagus Plumosus Nanus SEED

Greenhouse grown, smooth, well ripened seed. All from my own stock.

1,000 seeds.....	\$4.00 per 1,000
10,000 seeds.....	3.50 per 1,000
25,000 seeds.....	3.25 per 1,000

Special prices on large orders. Also splendid new crop Asparagus Plumosus Nanus Strings.

W. H. ELLIOTT, BRIGHTON, MASS.

A. N. Pierson, Inc.

CROMWELL, CONN.

Bedding Plants and Roses

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants.

MARKET and 49th STREETS, PHILADELPHIA, PA.

American Rose Society and worthy of the excellent premium list prepared.

WALLACE R. PIERSON, Pres.

CHICAGO FLORISTS' CLUB.

On account of the visit of the executive Committee of the Society of American Florists, a special meeting and smoker will be held on Monday, March 1st, at the Bismarck Hotel, Randolph street and Fifth avenue, at 8 P. M. This will take the place of the regular March meeting of the Florists' Club. Lunch will be served and all members and trade friends are cordially invited to participate and meet the representatives of the National Society.

GUY W. FRENCH, Sec'y.

CHRYSANTHEMUMS — ROOTED CUTTINGS —

John Shrimpton, Nagoya, Patty, Unaka, Chrysolora.

\$3.00 per 100; \$20.00 per 1000.

Early Snow, Glory Pacific, Harry May, Jennie Nonin, Money-maker, Major Bonaffon, Polly Rose, Pacific Supreme, Robt. Halliday, Smith's Advance, White Bonaffon.

\$2.00 per 100; \$15.00 per 1000.

**Wood Brothers
FISHKILL, N. Y.**

CARNATIONS

**F. DORNER & SONS CO.
LA FAYETTE, IND.**

CYCLAMEN

Best strain in existence.

4 inch	\$35.00
3 inch	50.00
4 inch	75.00

THOMAS ROLAND, Nahant, Mass.

LILY BULBS

RALPH M. WARD & CO.

71 MURRAY ST., - NEW YORK

BOSTON FERNS 2 1/2 in. \$3.00 per 100, \$30 1000

ROOSEVELT, 2 1-2 in; \$5 per 100, \$40 per 1000.

WHITMAN COMPACTA 2 1-2 in. \$5 per 100, \$40 per 1000.

250 at 1000 rates.

H. H. BARROWS & SON, Whitman, Mass.

HOLYOKE AND NORTHAMPTON FLORISTS' AND GARDENERS' CLUB.

The regular monthly meeting of this club was held in Northampton, Mass., on Tuesday evening, Feb. 16th, in E. J. Canning's office. G. H. Sinclair and George Strugnell of Holyoke and F. D. Keyes & Son of Florence, exhibited some remarkably well grown cyclamen plants. It is doubtful if better plants have ever been grown in Western Massachusetts. F. D. Keyes & Son also exhibited a vase of that grand crimson carnation Princess Dagmar. E. H. Downer of the Smith College Botanic Gardens, exhibited some well grown plants and sprays of flowers of *Schizanthus Wisetonensis* in a great variety of colors and markings, also some specimen cinerarias. Each of the exhibitors were awarded a first class certificate of merit. The exhibits provoked much discussion among the members, and practically every minute detail of culture was brought out. Frank Barnard a former active member, sent a paper which was read by Mr. Sinclair on the history, and the quantity of plants and cut flowers grown at the A. N. Pierson Company's plant at Cromwell, Conn., where Mr. Barnard is now located. The club presented W. H. Whiting of the Mass. Agricultural College with a pair of gold cuff links in recognition of his faithful and efficient services as Secretary of the club. The March meeting will be held at the large, new Sinclair greenhouse at Smith's Ferry.

E. J. CANNING.

CLUB AND SOCIETY NOTES.

The St. Louis County Florists' Association will hold an important meeting on Wednesday, March 3, at Kirkwood, Mo., in the Eleven Mile Hall. F. Vanemann is president.

A. E. Thatcher of Bar Harbor, Me., will lecture before the Massachusetts Horticultural Society at Horticultural Hall, Boston, on Saturday, February 27. His subject will be "The Culture of Hardy Shrubs."

Robert Pyle of the Conard & Jones Co. delivered an instructive lecture on The Rose before the members of the Newport Horticultural Society and the Newport Garden Club at Newport, R. I., on the evening of February 23.

Secretary J. F. Ammann, of the Illinois Florists' Association, has extended an invitation to all local florists to attend the meeting and exhibition of the association at Urbana, Ill., on March 2 and 3, and quite a few will make the trip.

Secretary Beneke of the St. Louis Florist Club, reports that Supt. W. W. Ohlweiler, of Shaw's Garden, will read a paper at the next meeting which will be of great importance to all growers. A carnation exhibition will also be held at this meeting March 11.

The St. Louis Retail Florists' Association met on Monday, February 15, and elected officers. Chas. Young was elected president, C. Bergestermann vice-president, F. C. Weber, Jr., secretary and Alex. Geranios treasurer. It was voted to give a banquet at the Washington Hotel on March 8 and invite all retailers to attend and join the association.

At the meeting of the New London Horticultural Society on February 11

"By Their Fruits
Ye Shall Know
Them"

"JOHN BAER" TOMATO

"As Ye Sow
So Shall Ye
Reap"

THE EARLIEST AND BEST TOMATO ON EARTH

From Large, Strong, Well Matured Plants, in Veneer Bands with Roots Undisturbed.
Pkts., 50c.; 1/4 oz., 75c.; Oz., \$2.00; 1/4 lb., \$7.50; Pound, \$25.00. 1-3 off to the Trade.



"JOHN BAER" TOMATO

The Earliest and Best Tomato on Earth

Produces Perfect, Solid, High Crown, Beautiful, 1005 Rosemont Ave.,
Brilliant Deep Red Shipping Tomatoes in 30 Days.

S. D. PRICHARD, Florist, South Wayne Street, Phelps, N. Y.

J. Bolgiano & Son, Baltimore, Md.

Gentlemen: Your ad. of February 6, in "The Florists' Exchange," is some puff for "John Baer" Tomato, which is all true. I tried the "John Baer" last year and there was not one in your ad. that had one on me.

From 620 plants I sold over 2 1/2 tons of Tomatoes. Set 3 feet each way and trained to Bamboo stakes trimmed to one shoot. When they became heavy with Tomatoes, I tied the top of four stakes together, as shown in the enclosed photo, and as the season was cold in the Spring, could not set the plants until the last of May, and commenced to market on the 17th of July. I raised Celery between the rows. Enclosed find check for 1 ounce of "John Baer" Tomato seed. Very truly, (Signed) S. D. PRICHARD.

1818—JOHN BOLGIANO & SON—1915

ALMOST 100 YEARS SELLING TRUSTWORTHY SEEDS

Growers of Pedigree Tomato Seed

BALTIMORE, MD., U. S. A.

the ladies had entire charge of the meeting. Mrs. C. B. Graves gave a paper on Our Native Birds. At the close of the paper the ladies served refreshments. It was announced that a rose show would be held June 22nd. The next meeting is March 11th when Mr. Schooman will speak on Trees and Shrubs for Profit and Pleasure.

H. E. L.

The Florists' Club of Washington, D. C., will hold its annual meeting at 1214 F Street, Tuesday evening, March 2. At this time the members will be called upon to elect officers for the ensuing year. Sidney B. Lust, of the United Film Service Company, has promised to repeat the motion picture exhibition which made such a hit at the last meeting and among the reels will be one devoted to rose culture. Herbert M. Osborn, of the Pathe Company will present a number of war pictures.

The Florists' and Gardeners' Club met Tuesday evening, February 16, at the home of Prof. E. J. Canning, Northampton, Mass. A paper was read by G. H. Sinclair of Holyoke, Mass., on "Cyclamen," which was written by J. Barnard of Connecticut. The club presented a set of gold cuff links to James Whiting of Amherst college, for his excellent work in behalf of the association. A committee consisting of D. J. Gallivan and G. H. Sinclair were appointed to complete arrangements for the annual flower

show to be held in the city hall next November.

The regular monthly meeting of the Lenox Horticultural Society was held on Wednesday, Feb. 10th. After a few minor changes in the schedule for the coming fall exhibition had been adopted, an interesting and instructive lecture was given by Professor J. A. Foord of Mass. Agricultural College on "Some Principles of Farm Management." A well attended meeting of members and local farmers accorded Mr. Foord a unanimous vote of thanks, who in reply, invited those present to take a trip to Amherst, and so get a better insight into the work the college is attempting.

J. CARMAN, Asst. Sec'y.

The monthly meeting of the Nassau County Horticultural Society was held in Pembroke Hall, Glen Cove, N. Y., on Wednesday, Feb. 10. The exhibition table was well filled. Awards were as follows: Freesia, J. McDonald; stock, J. McDonald; Primula malacoides, F. Honeyman. For exhibition only Primula malacoides improved, by J. Duthie was highly commended. Freesia by H. Jones, thanks of society. President Westlake announced that he would offer a fountain pen at the next meeting for the best vase of 25 carnations (mixed). Other exhibits will be 12 white, 12 pink and 12 any other color carnations.

JAMES GLADSTONE, Cor. Sec.

SEEDS FOR PRESENT SOWING PLANT NOW!

ANTIRRHINUM

MARGUERITE CARNATIONS

SALVIAS

PETUNIAS

VERBENAS

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SEED TRADE

AMERICAN SEED TRADE ASSOCIATION

Officers—President, Lester L. Morse, San Francisco, Calif.; First Vice-President, J. M. Lupton, Mattituck, L. I.; Second Vice-President, E. C. Dungan, Philadelphia, Pa.; Secretary and Treasurer, C. E. Kendel, Cleveland, O.; Assistant Secretary, S. F. Willard, Jr., Cleveland, O.

The value of various horticultural imports into New York for the week ending February 13 is given as follows: Manure salt, \$102,430; fertilizer, \$9,329; clover seed, \$78,834; grass seed, \$7,479; sugar beet seed, \$7,040; trees and plants, \$16,535.

The imports of that group of potash salts most largely used for fertilizer purposes amounted in the calendar year 1914 to 702,800 long tons, compared with approximately 942,000 tons in each of the two years immediately preceding. Muriate of potash, sul-

phate of potash, kainit and manure salts are the classes of potash usually designated as fertilizers, their value as soil food being dependent upon their content of K₂O. The muriate usually yields about 50 per cent. of K₂O, the sulphate, 48 per cent.; kainit, 12½ per cent.; and manure salts, 20 per cent. On this basis the year's supply of imported K₂O was 176,354 tons, as against 228,757 tons in 1913 and 226,722 tons in 1912. Of guano the imports increased from 19,100 tons in 1913 to 25,600 tons in 1914; and those of ammonia sulphate, from 58,300 tons to 74,100 tons.

The aggregate value of potash salts and fertilizer materials imported into the United States in the calendar year 1914 was 38½ million dollars, as compared with 47 million dollars in the preceding year. Nitrate of soda decreased in value of imports from 21½ million to 15¼ million dollars, and sulphate of ammonia increased from 4 million to 4½ million dollars.

CATALOGUES RECEIVED.

Kelly Bros., Dansville, N. Y.—Spring Catalogue of Fruit Trees, etc., 1915.

H. S. Wiley & Son, Cayuga, N. Y.—Catalogue of Nursery Stock.

The Imlay Company, Zanesville, O.—Price List of Seeds, Plants and Flowers for 1915.

Maloney Bros. & Wells Co., Dansville, N. Y.—Catalogue of Fruit and Ornamental Nursery Stock.

John Connon Co., Hamilton, Ont.—Wholesale Price List of Plants, Bulbs, Trees, Roses, Shrubs, Vines and Perennials.

Henry Eckford Wem, Shropshire, Eng.—D. W. Roberts, Fredericton, New Brunswick, American Agent. List of sweet peas and vegetable seeds.

B. E. and J. T. Cokely, Scranton, Pa.—Seeds for the Farm and Garden, 1915. A well elaborated catalogue, typographically and otherwise very creditable.

E. G. Hill Company, Richmond, Ind.—1915 Catalogue of specialties for the trade including Hoosier Beauty and Ophelia roses, the 1915 carnation novelties, exhibition chrysanthemums, etc.

S. S. Skidelsky & Co., Philadelphia, Pa.—Florists' Wholesale Catalogue for 1915. Bulbs plants, specialties in flower seeds and supplies for florists' use. A comprehensive trade list.

Stumpp & Walter Co., New York.—Wholesale Catalogue for the Florist

GLADIOLUS

	100	1000
Blushing Bride	\$0.75	\$6.00
Peach Blossom	1.00	8.00

A. HENDERSON & CO.

149 RIVER STREET, CHICAGO

SPIRAEAS FOR EASTER FORCING

	Per 100
Astilholdes Floribunda, white	\$5.00
Japanica, white	5.00
Queen Alexandra, pink	7.00

W. E. MARSHALL & CO., BULB IMPORTERS
166 West 23d St., New York

GARDEN SEED

BET, CARROT, PARSNIP, RADISH and GARDEN PEA SEED in variety; also other items of the short crop of this past season, as well as a full line of Garden Seeds, will be quoted you upon application to

S. D. WOODRUFF & SONS 82 Day St., NEW YORK
and ORANGE, CONN.

NEW CROP SEEDS

FOR FLORISTS

Ask for 1915 Catalogues

Joseph Breck & Sons Corp.

Seedsmen

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THE BUGS ARE BUSY

NICO FUME LIQUID and PAPER

Prepaid to Your Door

1 Gal. Can.	\$10.50	½ Gal. Can.	\$5.50
288 Sheets Paper			7.00
144 Sheets Paper			4.00

ROMAN J. IRWIN, 108 West 28th St., NEW YORK

and Market Gardener. A manual of the best things in ornamental and useful seeds, bulbs and plants for spring business. A business list but finely illustrated.

Thomas J. Grey Co., Boston, Mass.—Spring Seed and Implement Catalogue, 1915. Similar in style and completeness to the catalogues of this well-known firm for past seasons. Fully illustrated and giving a very complete list of standard stocks as well as an appetizing line of novelties.

MICHELL'S BULBS

BEGONIA BULBS.

	Doz.	100	1000
Single, separate col's.	\$0.40	\$2.50	\$22.00
Single, mixed colors.	.30	2.25	20.00
Double, separate col's.	.65	4.00	35.00
Double, mixed colors.	.50	3.75	33.00

GLOXINIA BULBS.

Separate colors	\$0.60	\$3.25	\$30.00
Mixed colors	.50	3.00	27.50

GLADIOLUS BULBS.

All the best and most popular varieties for florists use.

TUBEROSE BULBS.

Mammoth Pearl, hand selected, extra fine. Per 100, \$1.00; \$9.00 per 1000.

DAHLIA ROOTS.

All the choicest standard sorts as well as the newer varieties in Decorative, Show, Cactus, Fancy, Pompon and Single types.

HEADQUARTERS FOR PLANT
STAKES FOR EASTER PLANTS.

SEND FOR OUR LATEST
WHOLESALE CATALOGUE

HENRY F. MICHELL CO.
518 Market St., Phila.



Seeds With a Pedigree

For generations James Carter & Co. have used painstaking English methods in selecting and testing their seeds. The Carter trial and testing grounds at Raynes Park have become celebrated in Great Britain.

This explains the remarkable record of Carters seeds in American Gardens. These "Seeds with a Pedigree" can now be purchased in this country. A complete stock is carried in Boston and prompt service is guaranteed.

If you did not have the 1915 Carter Catalog, American Edition, write for it today.

CARTERS TESTED SEEDS INC.

166 Chamber of Commerce Building,
Boston, Mass.

Branch at Seattle, Wash.

In Canada, 133 King St. E., Toronto

Branch of Jas. Carter & Co., Raynes Park, Eng.

Carters Tested Seeds

PEAS, BEANS, RADISH } Growers for the Trade
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LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

ONION SETS

Write for Prices

BURNETT BROTHERS

Importers and Growers of

SEEDS, BULBS, PLANTS, &c.

98 Chambers Street, New York

J. W. Edmondson, Mgr.

M. W. Williams, Sec'y

California Seed Growers Association, Inc.

Growers For Wholesale Dealers
SAN JOSE CALIFORNIA

ONION SEED, ONION SETS

We are extensive growers and dealers of Seed and Sets. All our stock is first-class quality. Write for prices.

SCHILDER BROS., Chillicothe, Ohio

SEEDS FOR PRESENT PLANTING

BEGONIAS, ANTIRRHINUMS,
STOCKS, LOBELIAS,
VERBENAS, ETC.

THOS. J. GREY CO.

32 So. Market St., Boston.

MY NEW LIST OF

Winter Spencer Sweet Pea Seed

Has been mailed. If not in your hands now, send a postal for it.

ANT. C. ZVOLANEK
Lompoc, Cal.

Seedsmen requiring the very best
selections of

Garden Seeds

(VEGETABLE AND FLOWER), especially

Kelway's Celebrated English Strains

can get them at lowest independent wholesale rates by sending their orders direct to

KELWAY & SON

Wholesale Seed Growers

LANGPORT, SUMMERSET, ENGLAND

Special quotations on application

Place your order now for Ayres' Winter
Flowering

SWEET PEA SEED

S. BRYSON AYRES CO.

"Renowned Sweet Pea Specialists"

SUNNYSLOPE, INDEPENDENCE, MO

S. S. SKIDELSKY & CO.

BULBS, PLANTS and SEEDS

1218 Betz Bldg., Philadelphia

Catalogue on application

It is our BUSINESS to supply
you with

SUPERIOR GLADIOLI

JOHN LEWIS CHILDS
FLOWERFIELD, L. I., N. Y.

Thorburn's Seeds

THORNTON



There is no pleasure like
watching things grow.

If you haven't received your copy of our 1915 Spring Catalogue (with special prices to Florists) drop us a postal and it will be sent you promptly.

To those who grow for profit it is especially interesting and useful.

All its 144 pages are brim full of beautiful pictures, clear description and good practical suggestions.

J. M. THORBURN & CO.

ESTABLISHED 1802

53 Barclay St. through to 54 Park Place
NEW YORK



Just to look through its pages will make you long for Spring to come.

ALEX. McCONNELL611 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Cost of Carriage Foreign Deliveries Must be prepaid

Reference or cash must accompany all orders from unknown correspondents.
Cable Address, ALEXCONNELL.

G. E. M. STUMPP

761 Fifth Ave.

NEW YORK CITY

Member Florists' Telegraph Delivery Asso.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to
New York City

Or OUT-GOING STEAMERS

Write or Telegraph

2139-2141 Broadway, - New York
Telephone 1662-1663 Columbus

Established 1874

DARDS

FLORIST

M. E. Cor. 44 St. & Madison Avenue, N. Y. City
(Member Florists' Telegraph Delivery Asso.)

Flowers shipped on all Steamers. Special Correspondence in all the large cities of Europe and the British Colonies. Telegraph and Cable address, Dards.

A. T. BUNYARD

NEW YORK

413 Madison Avenue at 48th Street.
Also Newport, R. I.

We Guarantee Satisfaction

MEMBER F. T. D. A.

Myer

NEW YORK

609-611 Madison Ave.

Choicest cut flowers and
designs for all occasions. Steamer and theatre flowers a specialty.

Member Florists Tel. Delivery. Wire Me Your Orders

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

FLOWERS delivered promptly in
Buffalo, Niagara Falls, East Aurora,
Lockport, Tonawanda, Lancaster and
other Western New

Palmer's

York cities and
towns.
304 Main Street
BUFFALO, N. Y.

Members Florists' Telegraph Delivery Association

S. A. ANDERSON

440 Main St., Buffalo, N. Y.

ANDERSON service means fresh, sturdy
stock, and prompt deliveries in BUFFALO,
LOCKPORT, NIAGARA FALLS and
WESTERN NEW YORK.

Members of Florists' Telegraph Delivery.

Of Interest to Retail Florists**JOTTINGS FROM THE PEN—N.**

Keep your own optimism always up front. Show your own faith in your self. Inspire everybody, enthuse every one. Encourage the under dog. It makes you bigger.

The man who says he does not believe in advertising does not know what he is talking about. If he really believed what he says he would tear down his sign, board up his windows, cover up his flowers, make kindling out of his store windows, and do business with intending customers through a hole in the wall.

Good motto for a store "Enter without knocking, and remain on the same terms."

A business which depends on cheap prices entirely is like a little engine running at high speed, while one based on quality and service is like a great engine with a mammoth balance wheel that will keep going at the same rate regardless of minor fluctuations in the steam pressure.

It's none of my business what you do at night, after work hours. But if dissipation affects what you do the next day, and you do half as much as I demand, you'll last half as long as you hoped.

A man must work when he is young. Work never hurt anybody—it's lack of work that breeds discontent and illness of mind and body.

Henry Benn

AN ARTISTICALLY ARRANGED
BOUQUET OF ORCHIDS.



East St. Louis, Mo.—Miss Lucy Doussard has purchased the business of the Paul Slack Floral Co., 314 Colinsville avenue.

JOHN BREITMEYER'S SONS

Cor. Broadway and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good sections of Ohio, Indiana and Canada.
Members Florists' Telegraph Delivery Association.

THE ROSERY

23 STEUBEN ST.

ALBANY, N. Y.

FLOWER DELIVERIES FOR ALBANY
AND VICINITY

Members Florists' Telegraph Delivery

Danker

Albany, N. Y.

Not How Cheap
But How Good.

Capital of the Empire State

Member F. T. D. A.



WASHINGTON,
D. C.

GUDE'S

Member Florists
Telegraph
Delivery

SAMUEL MURRAY

Kansas City, Mo.
913 Grand Ave.

Member of the Florists' Telegraph Delivery
All Orders Given Prompt and Careful Attention

The Park Floral Co.

J. A. VALENTINE, Pres.

Member Florists' Telegraph Delivery.

DENVER, COLORADO

Rochester, N. Y.

**J. B. KELLER SONS,
FLORISTS**

25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2780
Members Florists Telegraph Delivery

"THE HOME OF FLOWERS"

The largest cut flower store in America
Orders for the TWIN CITIES and for all
Northwestern points given prompt attention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

RANDALL'S FLOWER SHOP

HARRY I. RANDALL, Proprietor.

Phone: Park 84

3 PLEASANT ST., WORCESTER, MASS.

Member Florists Telegraph Delivery Association.

CHICAGO Send Your Orders to WILLIAM J. SMYTH

Member Florists' Telegraph
Delivery Association

Michigan Ave. at 31st Street

Prompt Auto Delivery
Service

CHICAGO

And Neighboring Towns
Are Thoroughly Covered by

SCHILLER, THE FLORIST
(Member Florists Telegraph Delivery).

Flowergram or Mail Orders from Florists
anywhere carefully filled and delivered
under the supervision of

GEORGE ASMUS, Mgr.

2221-2223 W. Madison St., CHICAGO.

'Phone West 822

THOS. F. GALVIN
INC.

NEW YORK 561 Fifth Ave.
Vanderbilt Hotel

BOSTON 1 Park Street
799 Boylston Street

Deliveries to Steamers and all Eastern Ports

CLEVELAND

A. GRAHAM & SON

5523 Euclid Ave.

Will take good care of your orders

Members of F. T. D. Association.

WASHINGTON

915 F ST. N. W.

F. H. KRAMER

Auto delivery of Designs and Flowers to
any address in Washington.

Stock and Work First Class

F. R. PIERSON CO.

FLORISTS AND
PLANTSMEN

TARRYTOWN ON HUDSON, - N. Y.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL STREET, ALBANY, N. Y.
ST. LOUIS, MO.

FRED C. WEBER

4326-28 Olive St.

Member Florists Telegraph Delivery Association
NOTICE INITIALS. We have one store only

The Far-Famed Flowers of

TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP

96 Yonge St., - - - TORONTO, ONT.

NEW FLOWER STORES.

Fairmont, Pa.—George Wehrley.

Clinton, Ill.—Peterson Floral Co.

Houston, Tex.—Sid. Westheimer,
Westheimer building.

Johnstown, Pa.—Bruce and George
Walker, Crystal Annex.

Fall River, Mass.—Geo. E. Linde-
man, 1137 Pleasant street.

West Philadelphia, Pa.—Charles F.
Edgar, 5037 Baltimore avenue.

Baltimore, Md.—Savage & Co., 2118
Madison avenue, succeeding Pierce &
Co.

Peoria, Ill. — Siebenthal & Nelson
Co., 408 Main street, successors to the
Rue Floral Co.

Philadelphia, Pa.—G. A. Haas, 1901
Susquehanna avenue; Stuart H. Miller,
wholesale, 1617 Ranstead street.

Milwaukee, Wis. — A Schuhman,
Third and Wright streets, and M. Ed-
lefsen & Co., 626 Grand avenue.

Detroit, Mich.—J. Breitmeyer's Sons,
David Whitney building; E. A. Fettes,
Woodward avenue and Clifford street.

BUSINESS TROUBLES.

Cambridge, Mass. — Frank Howard,
florist, assets, \$250., liabilities, \$5665.

Montgomery, Ala.—Norris Floral
Company, liabilities, \$1,217., no assets.

Stamford, Conn.—Joseph E. John-
ston., florist; assets \$227.00; liabilities
\$2,709.

Akron, O.—J. J. Walland, florist, 565
Bowery street, assets, \$1,140; liabili-
ties, \$2,851.92.

Hornell, N. Y.—F. J. Kennedy &
Sons, florists, assets, \$2,732.12; liabili-
ties, \$3,966.53.

NEW CORPORATIONS.

Abbeville, La.—Vermilion Parish
Nursery & Orchard Company, capital
stock, \$25,000. Incorporators, R. J.
Montague, John Nugier, Jr., and J. C.
Broussard.

NEWS NOTES.

Cumberland, Md.—The Flower Shop,
53 North Liberty street, has been pur-
chased by Russell C. Paupe.

Hudson, N. Y.—The greenhouses of
the late Richard W. Allen, florist, on
Green street have been purchased by
Leon Hathaway.

Roselle, N. J.—Henry Kolbe, former-
ly with Lehnig & Winnefield, florists of
Hackensack, has purchased the busi-
ness of the Roselle Park Greenhouses,
formerly owned by Elwood F. Young.

S. Suzuki of Yokohama Nursery Co.,
is now in this country having recently
arrived from Japan and C. W. Scott
who represents the company here has
gone to Chicago to meet Mr. Suzuki
and escort him to New York.

The Florists' and Gardeners' Club
of Rhode Island held their regular
monthly meeting and their annual sup-
per at their rooms, 96 Westminster
street, Providence on Monday evening,
February 22.

Penn The Florist

"The Telegraph Florist"

Member of Florists' Telegraph Delivery

37-43 Bromfield St., Boston, Mass.

ORDERS FOR

NEW YORK

WIRE OR PHONE TO

MAX SCHLING

22 West 59th Street, adjoining Plaza Hotel

Best Florists in the States as References

EUROPEAN ORDERS EXECUTED

Members of the Florists Telegraph
Delivery.

REUTER'S Members Florists
Telegraph
Delivery

STORES IN

New London and Norwich, Conn.
and Westerly, R. I.

We cover the territory between

New Haven and Providence

Transfer your orders for flower or
plant deliveries to

ZINN The Florist
4 Park St., Boston

HESS & SWOBODA

FLORISTS

Telephones 1801 and L 1881

1415 Farnum St.,

OMAHA, NEB.

THE J. M. GASSER COMPANY,

CLEVELAND

Euclid Avenue

Kerr ORDERS
FOR
TEXAS

The Florist HOUSTON, TEXAS

Member F. T. D. Association.

NEWS ITEMS FROM EVERYWHERE

BOSTON.

W. A. M. A. J. Alpine & M. D. C. E. L. February 19 1915. S. M. L. W. L. L. L.

There was a whole lot of arrest of street flower sellers last week, about nine of them being taken to court. It is rumored that a prominent retailer is instigating the arrests.

Henry Quint's new Bay Store is still in process of renovation, but will be ready for occupancy very soon. The interior will be finished off in white and blue-gray, in marble effect.

A party of students under the direction of Prof. Arno H. Nohrling, Amherst, Mass., visited the local markets, retail stores and greenhouses last Friday and Saturday. This was the annual eastern trip taken by the Floriculture class of the Mass. Agri. College.

Some specialties noted this week were lily of the valley from J. Leach & Son of N. Easton, single violets from Kidder Bros. of Lincoln, yellow marguerites from J. W. Simpson, of Woburn, genistas from W. T. Walke of Salem, and antirrhinums from Phelps, Lexington.

An interesting article on the work of F. J. Dolansky, Lynn, Mass., appeared in the Boston Sunday Globe last week. The importance and place of the orchid as a commercial flower was emphasized. More newspaper articles of this kind are to be encouraged, as they all tend to the education of the public.

An unique display was noted in Penn's windows last week, consisting of violet boxes in blue and white colors; to the cover of each box was attached a little hatchet, bunch of artificial cherries and ribbon in the national colors. In the centre of the display was a large portrait of George Washington. Sales were stimulated a bit by the exploiting of this holiday, but satisfactory results have not yet been reached.

The spring crop of mushroom stores is again in evidence all over the city, especially in the shopping district. "It's an ill wind that blows no one no good," and in this case the dull real estate market offers exceptional opportunity for the opening up of temporary stores in the highest-priced section of the city at one-fourth the regular rents. We noted nine such stores within five minutes' walk of each other. Local growers welcome this outlet for surplus stock, which is accumulating rapidly on account of the recent and existing spring weather.

SAN FRANCISCO.

A local import broker has been offering a lot of Belgian azaleas at 50c. each. Some of the plants shown in his window look as if there would be no possibility of reviving them.

James Lee, who has been associated with one of the Oakland flower shops for some time, is starting in the business for himself in that city, on Twelfth street between Broadway and Washington.

B. M. Joseph, the Grant avenue florist, is making a specialty of "Welcome" and "Bon Voyage" packages; and in connection with the latter, is

using an ornamental window card, showing the sailings of boats for the following week.

Chas. Steppenbach, of Polk street, near Sutter, is making a fine showing of Brilliant and Ophelia roses, of which he controls one of the largest and best of the rather limited plantings for this season. He is taking the entire output of a good-sized nursery across the bay, which has done particularly well with its rose plantings.

All the down-town florists, though they closed for the Exposition opening February 20, made some special decorations for the occasion, and some very fine windows were seen. Probably the most striking features of the decorations was the great variety of fine tulips in novelty boxes and baskets. Phalaenopsis was also used with fine effect, and some cattleya displays were very beautiful, though these are two plentiful to attract special notice. Some shops have also secured very impressive effects by lavish use of daffodils. In one window, a big font full of flowering quince as the central feature is very effective.

Several houses have been very busy at the Exposition this week. Albert O. Stein, the Sutter street florist, has been spending considerable time at the grounds, looking after floral decorations in a number of the exhibit booths and buildings. The E. W. McLellan Company prepared decorations of greens for 350 tables for the opening banquet at the Old Faithful Inn of the Yellowstone Park concession on Saturday night. Aside from such work, several members of the MacRorie-McLaren Company's staff have been practically living at the Exposition, putting the final touches on some of their landscape operations. Work at the Exposition has been somewhat retarded by rain, but it is now fairly complete; and the large plantings of pansies and bulbs throughout the grounds are showing up finely.

PHILADELPHIA.

Costa Rica was W. Atlee Burpee's objective point on his vacation this year. He has just returned and the machine will get an added hum—if such a thing is possible in such a well-oiled smooth-running outfit as Burpee's.

Henry F. Michell, president of the H. F. Michell Co., has returned from his vacation on the Florida coast. He visited Bel Air and other points and reports a very enjoyable time. He looks fit and hearty and ready for the rush which is just about commencing.

Edward Reid tendered a complimentary dinner on the 20th inst to his old employee, Stuart H. Miller. Mr. Miller will open a new commission house on his own account at 1617 Ranstead street about March 1st. He has been thirteen years with Mr. Reid, has had a thorough training in the business and is a young man of great promise. He is liked and respected by everybody—and is a hustler. We feel sure he will make his mark and be a credit to us all. We extend our most cordial and heartiest good wishes.

NEW YORK.

Joseph E. Roelker is off on his regular western spring trip.

Harry A. Bunyard is having his new store at 40 West 28th street fixed up in attractive shape and will be ready to occupy it shortly.

Two wholesale houses are preparing to move westward on 28th street, J. K. Allen, who goes to 118 and H. E. Froment who goes to 148 a few weeks hence, and there are others who are considering a similar move. Both the parties above mentioned will have greatly increased room and facilities.

The final schedule and entry blanks, etc., for the "International" Flower Show at Grand Central Palace are now ready and copies have been sent out by Secretary Young to all whose address he has. Anyone desiring to receive same will be accommodated by applying to John Youny, 53 West 28th street.

There will be a meeting of the National Flower Show Committee on March 2 and of the directors of the Florists' Telegraph Delivery on March 3 at the La Salle Hotel, Chicago, in connection with the annual meeting of the Executive Board of the Society of American Florists and Ornamental Horticulturists.

Frederick W. Smythe of the florist firm of Wadley & Smythe has purchased the Depew Building at 487 to 491 Fifth avenue, between Forty-first and Forty-second streets, facing the Public Library and adjoining the new Rogers-Poet Building. The property is owned by the Augustine Pottier estate. The leasehold now has about eight and one-half years to run. The florists have occupied one of the large stores in the building for some time.

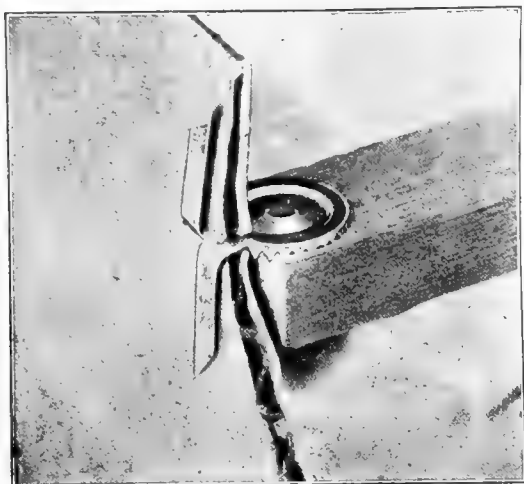
The annual meeting of the Greater New York Florists Association took place on Wednesday night, February 17, at 162 Livingston street, Brooklyn. The business of the evening was the election of officers for the year. With but one exception, those selected were Brooklyn growers and retailers. Those chosen were: President, Hugo H. Jahn; vice-president, George I. Laird; treasurer, Robert G. Wilson; secretary, William A. Phillips. The new board of directors is composed of Hugo H. Jahn, George I. Laird, William A. Phillips, Robert G. Wilson, F. G. VanMater, John V. Phillips of Brooklyn and Charles Weber of Lynbrook, L. I.

WASHINGTON, D. C.

The four Sharper brothers, all of whom have long been in the employ of Gude Bros. Company, are about to engage in the florists' business on their own account. William and John Sharper are to be located at Oxon Hill, Md., while Herbert and Al. Sharper will build houses at Silver Hill, Md.

The proposed encampment of the Grand Army of the Potomac next August, promises to be a big thing for the National Capital and elaborate arrangements are being made by the citizens' committee, at the head of which is William F. Gude as chairman.

EVERYBODY NEEDS THIS!



For securing Cut Flowers, Plants and Floral Designs in Cardboard or Corrugated Boxes.

HART'S PATENT STAPLE TACK

For immediate use in *Box of Any Size*, with wooden strip of any length or form.

Efficient, Handy, Cheap.

PRICES: \$4.00 per 1000; 50c. per 100

DISCOUNT TO JOBBERS.

GEORGE B. HART,

**24 STONE STREET
ROCHESTER, N. Y.**

Another prominent florist, a member of the committee, is J. Henry Small.

Plans will be discussed at the March meeting of the Brookland Rose Society for the holding of a rose show in the spring. At the February meeting the members were addressed by Prof. S. K. Mulford, of the Department of Agriculture on "The Pruning of Roses." Other speakers were President Charles F. Tansill, Dr. William Turner, and Miss Carrie Harrison, who is an orchid expert at the Department of Agriculture.

The florists of the center market, more than a dozen in number, are very well pleased with the show that was held there last week and are already active in the plans for a second affair of this kind. The market was thronged with people every day, it being estimated more than 100,000 people were present during the week. Not only were many additional sales made, but those participating were given an opportunity to avail themselves of some excellent advertising.

CHICAGO.

A. Peterson of the Peterson Floral Co., Gibson City, Ill., while here this week said that he has bought the greenhouses of C. W. Moore, of Clinton, Ill., and has rented a store in that town. He will be ready to open the store about March 1.

George Teglaar left for New York last week and his family will follow in a few days. Mrs. Teglaar is a daughter of Mr. and Mrs. Sam'l Pearse and Mr. Teglaar is a well known bulb salesman, and expects soon to sail for France.

At the store and greenhouses of the Kirchhoff Bros., 4713 Milwaukee Ave., the two young men are making good headway mastering the details of the business. Just as the place was nearing completion, the father passed away and the young sons have greatly missed his counsel.

The Thompson Carnation Co. of Joliet, Ill., has leased the greenhouses owned by H. N. Higgenbotham and operated under the name of the Chicago Carnation Co. The recent manager of the Chicago Carnation Co., A. T. Pyfer with his foreman Peter Olson has gone into business in Wilmette.

The A. L. Randall Co., has leased the second floor of the new LeMoyné block now nearing completion at the corner of Wabash avenue and Lake street. The new building is one of the finest on the street and the location is a choice one. E. C. Amling has not made arrangements for the future but may possibly go into the first floor of the same building.

In visiting Sam'l Pearse's place one's first impression is that he has come to a flower show. The large service building was a mass of bloom. Thousands of tulips in pans covered the tables and other bulbous stock seemed to reach as far as the eye could see. Three large houses of giganteum lilies are about a foot high and as even as if they had been mowed off.

Phil Schupp says that the growing of more roses and less carnations has worked out well this winter. Ophelia has proven a good rose with the J. A. Budlong Co., and Mr. Schupp is expecting to increase his planting this year. Double White Killarney is also making a good record here. Mrs. Russell has not been as free as had been hoped but will be tried again. Maryland which did well here at first has not proven satisfactory and has been discarded.

Among the downtown florists, Geo. Wienhoeber carried off the honors, in window displays, in celebration of Washington's birthday. The window was highly artistic and displayed the flowers and plants offered for sale to excellent advantage. In the back-

ground was a six-foot wreath of magnolia leaves, encircling a life-sized bust of Washington mounted upon a pedestal which was draped with flags. At the right front were pots of spring flowers tied with the new chiffon ribbon figured with gold and silver. In the foreground were plants of prunus in which were hung red hatchets. The Atlas window had a ground of bark and the national colors were tastefully displayed around the picture of Washington

OBITUARY.

H. Frank Darrow.

H. Frank Darrow, who has been American representative of Vilmorin's and other prominent foreign houses since the death of August Rhotert several years ago, died at Long Island College Hospital, Brooklyn, N. Y., on Sunday, February 21, after a two weeks' illness. Mr. Darrow was in the employ of Mr. Rhotert in the office at 26 Barclay street, New York, for a number of years. He was born in New London, Conn. His age was 48 years. He leaves a widow and one daughter. He was a member of the Society of American Florists and New York Florists' Club.

William B. King.

William B. King, a veteran of the Civil War, for many years a florist in the town, and a well-known resident of Apponaug, died on February 18, at his home on Main street, Apponaug, R. I. Death was due to a complication of diseases incident to old age, he being 75 years old. In 1888 Mr. King built a greenhouse and started the florist business, and he was a charter member of the Florists' and Gardeners' Club of Rhode Island. Two years ago he gave up this business, which has since been carried on by his son.

SNAPDRAGON

Pink, White, Yellow, \$1.50 per dozen.

LILAC

White and Lavender, \$1.00 per bunch, 12 bunches for \$10.00.

SPENCER PEAS

Extra fine quality, 500 for \$7.50, our selection of colors.

THE LEO NIESSEN CO.

Wholesale Florists

N. W. Cor. 12th and Race Sts., PHILADELPHIA, PA.
BALTIMORE, MD. WASHINGTON, D. C.

Dear Horticulture:

We can't keep house without you,
and you can't travel without money,
therefore I enclose money order to
keep you coming for 1915.

Yours admirably,

Iowa

E. S.

THE BEST LETTERSFOR
FLORIST'S
USE**R**THOSE
MADE
BY THE**Boston Florist Letter Co.**

66 PEARL ST., BOSTON

N. F. McCarthy, Mgr.

Block Letters, \$2.00 per 100.

Script Letters, \$3.00 per 100.

Order direct or buy from your local
supply dealer. Insist on having the**BOSTON**Inscriptions, Emblems, etc. Always
in Stock**POEHLMANN BROS. CO.**Supply of Best Cut Flowers all the Year Around
72-74 EAST RANDOLPH ST., - - - CHICAGO.

If interested, send us your name and address for our weekly price list.

WELCH BROS. CO.AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE
SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS**BEST PRODUCED**

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI February 15	CHICAGO February 22	BUFFALO February 22	PITTSBURG February 15
Roses				
Am. Beauty, Special.....	40.00 to 50.00	40.00 to 50.00	40.00 to 60.00	40.00 to 50.00
" " Fancy and Extra.....	30.00 to 35.00	30.00 to 40.00	30.00 to 60.00	25.00 to 35.00
" " No. 1.....	10.00 to 15.00	6.00 to 15.00	10.00 to 20.00	15.00 to 20.00
Killarney, Richmond, Extra.....	6.00 to 10.00	10.00 to 15.00	8.00 to 10.00	10.00 to 12.00
" " Ordinary.....	4.00 to 5.00	3.00 to 8.00	3.00 to 6.00	4.00 to 8.00
Hillingdon, Ward, Sunburst, Extra.....	6.00 to 10.00	8.00 to 10.00	8.00 to 10.00	8.00 to 12.00
" " Ordinary.....	4.00 to 5.00	2.00 to 6.00	3.00 to 8.00	4.00 to 6.00
Maryland, Sawyer, Taft, Extra.....	6.00 to 10.00	8.00 to 15.00	8.00 to 10.00	8.00 to 10.00
" " Ordinary.....	4.00 to 5.00	5.00 to 8.00	3.00 to 6.00	4.00 to 6.00
Russell, Hadley, Ophelia.....	4.00 to 10.00	8.00 to 25.00	6.00 to 10.00	8.00 to 12.00
Carnations, Fancy.....	..... to 4.00	3.00 to 4.00	2.50 to 3.00	3.00 to 4.00
" " Ordinary.....	..... to 3.00	1.00 to 2.00	1.50 to 2.00	1.00 to 2.00
Cattleyas.....	25.00 to 35.00	35.00 to 50.00	40.00 to 50.00	30.00 to 50.00
Cypripediums.....	..... to 15.00	15.00 to 18.00	12.00 to 15.00	12.50 to 15.00
Lilies, Longiflorum.....	10.00 to 15.00	8.00 to 10.00	8.00 to 12.00	10.00 to 12.50
Lily of the Valley.....	3.00 to 5.00	3.00 to 4.00	..... to 4.00	2.00 to 4.00
Violets.....	.35 to .75	.35 to .50	.50 to .60	.50 to .75
Snappdragon.....	..... to 2.00	..... to 3.00	4.00 to 6.00	4.00 to 10.00
Narcissus, Paper White.....	..... to 2.00	2.00 to 3.00	1.00 to 2.00	3.00 to 4.00
Corn Flower.....	..... to 2.00	..... to 4.00	2.00 to 3.00	3.00 to 4.00
Freesia.....	..... to 2.00	3.00 to 4.00	2.00 to 3.00	..... to 4.00
Daffodils.....	3.00 to 4.00	3.00 to 4.00	2.00 to 3.00	..... to 4.00
Tulips.....	3.00 to 4.00	2.00 to 3.00	2.00 to 3.00	..... to 4.00
Lilac (per bunch).....	..... to .75	1.00 to 2.00	.50 to 1.50	.50 to 1.50
Sweet Peas.....	..... to .75	1.00 to 2.00	.50 to 1.50	.50 to 1.50
Gardenias.....	..... to 1.00	35.00 to 50.00	20.00 to 30.00	..... to 1.25
Adiantum.....	..... to 1.00	1.00 to 1.25	1.00 to 1.25	1.00 to 1.25
Smilax.....	..... to 12.50	12.00 to 18.00	12.00 to 15.00	12.50 to 15.00
Asparagus Plumosus, Strings (100).....	20.00 to 25.00	40.00 to 50.00	40.00 to 60.00	40.00 to 50.00
" " & Spen. (100 bchs.).....	20.00 to 25.00	20.00 to 30.00	25.00 to 35.00	25.00 to 50.00

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Flower Market Reports

BOSTON At the present writing the market is very inactive, almost at a standstill. Trade has fallen off considerably in all branches. The supply of all kinds of flowers is much larger than last week, due to the recent warm weather, and with a decreased demand, prices of the staple items have declined. The usual dull business of the Lenten season is being experienced in all its full effect, although a number of progressive retailers are making attempts at stimulating trade in various ways. All kinds of roses are in larger supply and in general the quality is excellent. Carnations are very plentiful and have dropped considerably in price, the best bringing \$4.00 per 100 with difficulty. There is a deluge of "splits" in the market. The supply of cattleyas and gardenias is not large and the demand for these is a trifle better, but only medium figures are being reached, although their quality is fine. Sweet peas are moving faster than any other crop and are bringing fair figures. Bulb stock is also selling well. Nevertheless, the general feeling is one of inactivity and a slow market. A large quantity of funeral work is the only encouraging feature at the present time.

BUFFALO A good report can be made regarding market condition the past week.

It was a busy one and the trade had its hands full to fill orders. The wholesale market was cleaned up daily, except on bulbous stock and lily of the valley, the demand falling toward carnations, roses and peas and at times not enough of the three items could be secured, though there was about enough to go around. Saturday's business was especially good, the day being an ideal spring one. Floral work consumed a good portion of stock. At this writing, February 23, a rainy day, the market got a sudden jolt everything coming in double supply and the demand having fallen 5 per cent. The receipts were heavy on all lines, a good portion being carried over at the close.

CHICAGO There is a slight increase in the amount of stock coming in. This was noticeable the latter part of last week and was particularly appreciated by the wholesalers for their week-end trade. The bright weather opened the carnation buds and that flower was seen in larger quantities than before this season. Roses are more nearly normal in supply but prices average low on all but the best stock. American Beauties are more than scarce. There are so very few good long ones that the price is high, while shorter ones are poor in quality. Lily of the valley is very good and there is a fair demand which Lent does not seem to diminish. Violets are rather discouraging much of the time. The weather conditions have made it difficult to handle the eastern stock to advantage, much of it arriving worthless. Still when the quantities are considered a fair profit will probably be found after all. Bulbous stock is coming now in very large lots and the high prices are probably over for this season.

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WASHINGTON, 1216 H St., N. W.



WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON February 25		ST. LOUIS February 22		PHILA. February 22	
Roses						
Am. Beauty, Special	30.00	to 35.00	25.00	to 40.00	40.00	to 50.00
" " Fancy and Extra	12.00	to 20.00	18.00	to 20.00	25.00	to 35.00
" " No. 1	6.00	to 10.00	10.00	to 15.00	8.00	to 15.00
Killarney, Richmond, Extra	8.00	to 12.00	6.00	to 8.00	8.00	to 10.00
" " Ordinary	3.00	to 5.00	4.00	to 5.00	3.00	to 5.00
Hillingdon, Ward, Sunburst, Extra	8.00	to 12.00	6.00	to 8.00	6.00	to 10.00
" " Ordinary	3.00	to 6.00	4.00	to 5.00	3.00	to 4.00
Maryland, Shawyer, Taft, Extra	6.00	to 12.00	6.00	to 8.00	6.00	to 8.00
" " Ordinary	3.00	to 4.00	4.00	to 5.00	3.00	to 4.00
Russell, Hadley, Ophelia	4.00	to 15.00	8.00	to 10.00	8.00	to 20.00
Carnations, Fancy	3.00	to 4.00	2.00	to 3.00	3.00	to 4.00
" " Ordinary	1.00	to 2.00	1.00	to 1.50	1.50	to 2.00
Cattleyas	20.00	to 35.00	40.00	to 50.00	35.00	to 50.00
Cypripediums	6.00	to 10.00				to 15.00
Lilies, Longiflorum	8.00	to 10.00	10.00	to 12.50	10.00	to 12.00
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Violets	.35	to .60	.20	to .40	.30	to .75
Snape-dragon	3.00	to 4.00	3.00	to 4.00	8.00	to 12.00
Narcissus, Paper White	1.50	to 2.00	2.00	to 3.00	2.00	to 3.00
Corn Flower						to 2.00
Freesia		to 2.00	2.00	to 3.00	2.00	to 3.00
Daffodils	3.00	to 4.00	2.00	to 3.00	2.00	to 3.00
Tulips	1.00	to 2.50	3.00	to 4.00	2.00	to 4.00
Lilac (per bunch)						to . . .
Sweet Peas	.75	to 1.50	.25	to 1.00	.50	to 2.00
Gardenias	20.00	to 35.00		to . . .	8.00	to 20.00
Adiantum	.50	to 1.00	1.00	to 1.25	1.00	to 1.50
Smilax	8.00	to 12.00	10.00	to 12.50	10.00	to 15.00
Asparagus Plumosus, Strings (100)	25.00	to 40.00	35.00	to 50.00	35.00	to 50.00
" " & Spren. (100 Bchs.)	25.00	to 35.00	15.00	to 25.00	35.00	to 50.00

CINCINNATI The market is much easier than at the last writing. The supply has increased very considerably. The call from both local and distant points for stock is active and fairly steady. Prices have dropped a notch or two. Roses are in a better supply than for the past month. Carnations, though more plentiful than they were continue to clean up well. Sweet peas meet with an active call. Lilies and bulbous stock are in a good supply and meet with a fair market. Only the best single violets have at all a ready sale. Others move slowly if at all. The lily of the valley market is also slow while calls for orchids are comparatively few. Some good

mignonette was added to the list of offering during the past week.

NEW YORK The market is rapidly tending downward and prices are very low already on many things. This is especially true of bulbous stock of which an enormous quantity is being sent into the wholesale market daily and which are necessarily sold at whatever the cheap trade will offer for them. Roses still show up in fine quality, some of the newer varieties being really superb. Noble Mocks, sleek Ophelias, dainty Mignons and Fire Flames and glowing Radiance are seen in captivating array. Carnations are more plentiful now but very many

(Continued on page 286)

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ROSES AND CARNATIONS

	Last Half of Week ending Feb. 20 1915		First Half of Week beginning Feb. 22 1915	
American Beauty, Special	20.00	to 40.00	30.00	to 40.00
" " Fancy and Extra	20.00	to 30.00	20.00	to 30.00
" " No. 1	5.00	to 15.00	5.00	to 15.00
Killarney, Richmond, Extra	5.00	to 6.00	5.00	to 6.00
" " Ordinary	2.00	to 3.00	2.00	to 3.00
Hillingdon, Ward, Sunburst, Extra	5.00	to 6.00	5.00	to 6.00
" " Ordinary	2.00	to 3.00	2.00	to 3.00
Maryland, Shawyer, Taft, Extra	4.00	to 6.00	5.00	to 6.00
" " Ordinary	2.00	to 3.00	2.00	to 3.00
Russell, Hadley, Ophelia	4.00	to 8.00	4.00	to 8.00
Carnations, Fancy Grade	1.50	to 2.50	2.00	to 2.50
" " Ordinary	1.00	to 1.50	1.00	to 1.50

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PHILADELPHIA, PA.

Flower Market Reports

(Continued from page 285)

of them are burst and otherwise of inferior quality. Violets, of course, are fine, and lots of them. In addition to the standard varieties quoted in our tabulated market list there are wall-flowers, pansies, primulas, stocks, gladioli, cyclamen, myosotis, lilacs, acacia, calendulas, etc., most of which are sold by the "bunch," at prices varying according to quantity and abundance, as well as by the number of sprays in a bunch which varies with different growers.

Being the first
PHILADELPHIA week in Lent no great enthusiasm

was expected in the demand for flowers, and the results bear out this forecast. Still, there is no great cause for complaint, as prices generally have held fairly firm, and in some instances—notably in carnations—there was an upward tendency, due, the experts think, to a shortening in the crop. This was especially noticeable towards the end of last week. Roses are much more plentiful and the market on these lags a little. American Beauty shows excellent form and larger supply, but the demand is not strong. Jonkheer Mock is still improving and is now a really classy proposition. The recent scarce ones like Russell, Hadley and Ophelia, are now much more in evidence. The cattleya situation has not changed much. The supply is rather less but the quality is still very good. A few miltonias have made their appearance. Sweet peas are more plentiful and of fine quality with prices easier. The same may be said of violets, both single and double. There are far too many daffodils and other bulbous flowers. That market is easily overdone and when it breaks it breaks badly. Other items like gardenias, mignonette, calendula, daisies, etc., remain about normal and do not call for special comment. The outlook at this writing seems to point to more flowers and no increase in demand. The increased supply is certain. Let us all work for the uplift—I mean the outlet.

The market was strong last week and it contained about anything one wanted and as much of it. Business has slackened up somewhat since Lent began. Roses, which were off crop for some time, are coming in plenty. Carnations, violets and sweet peas, too, are coming in in great abundance with prices much lower

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

Cattleyas	10.00 to 15.00
Lilies, Longiflorum	6.00 to 8.00
Rubrum	1.00 to 6.00
Lily of the Valley	1.00 to 3.00
Violets	.15 to .35
Snapdragon	4.00 to 6.00
Narcissus, Paper White, Roman Hyacinths	1.00 to 1.50
Freesia	1.00 to 3.00
Daffodils	1.00 to 2.00
Tulips	1.00 to 3.00
Mignonettes	3.00 to 6.00
Lilac (per bunch)	..... to .75
Sweet Peas	.50 to 1.00
Gardenias	10.00 to 25.00
Adiantum	.50 to 1.00
Smilax	10.00 to 12.00
Asparagus Plumosus, strings (per 100)	35.00 to 50.00
& Spreu (100 bunches)	15.00 to 35.00

Last Half of Week ending Feb. 20 1915	First Half of Week beginning Feb. 22 1915
10.00 to 15.00	10.00 to 15.00
6.00 to 8.00	5.00 to 6.00
1.00 to 6.00	1.00 to 5.00
1.00 to 3.00	1.00 to 3.00
.15 to .35	.15 to .25
4.00 to 6.00	4.00 to 10.00
1.00 to 1.50	1.00 to 1.50
1.00 to 3.00	1.00 to 3.00
1.00 to 2.00	1.00 to 2.00
1.00 to 3.00	1.00 to 3.00
3.00 to 6.00	3.00 to 6.00
..... to .75	..... to .75
.50 to 1.00	.50 to 1.00
10.00 to 25.00	10.00 to 25.00
.50 to 1.00	.75 to 1.00
10.00 to 12.00	6.00 to 10.00
35.00 to 50.00	25.00 to 50.00
15.00 to 35.00	20.00 to 25.00

than for some time. Bulb stock is going to be heavy from now on, and when southern stock comes up it is going to glut the market greatly.

With St. Valentine's Day and the Mardi Gras celebration, and the Panama-Pacific Exposition to open Saturday, the San Francisco florists have had about the best week since the holidays. The Exposition celebration is taking a vast amount of stock of many kinds, and more will be required for the formal opening of various exhibits, etc., during the next few weeks. For this, greens, potted ferns and palms are the strongest feature, but cut stock is also considerably used. Nearly all seasonable flowers are plentiful. The rose crop is beginning to show up very well, and the larger offerings are readily absorbed at good prices. The demand is especially good for Killarney Queen and Russell. Gardenias are better than ever, and had an exceptionally large sale for the Mardi Gras ball, while later offerings clean up well. Violets are again in large supply, with a much lighter shipping trade. Large displays of peach, plum and almond, and especially of flowering quince blossoms, are shown this week and are in good demand for decorative work. There is an abundance of freesias, hyacinths, daffodils, etc., and tulips are in much greater variety, the unusually fine quality attracting much attention. Mignonette, forgetmenots and similar small stock are coming in well. Sweet peas are still offered sparingly, but larger cutting are expected soon. Cattleyas are still over-abundant. The cut of phalaenopsis keeps up well, but is no more than the market will readily absorb.

Roses and carnations continue scarce, but there is a heavy supply of other flowers which can often be readily substituted, and the coming of Lent has caused a marked falling off in the volume of business. The supply of bulbous stock has been so heavy as to cause a sharp falling off in the wholesale price. Lilies are in much better supply than they have been. There is a reported scarcity of orchids, but no one seems to care, as they are in but slight demand. It is promised that the present scarcity of roses will be relieved within a week or ten days, but nothing is promised in the way of better business.

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CANNAS

Canna Specialists.
Send for Canna book.
THE CONARD & JONES COMPANY,
West Grove, Pa.

CARNATIONS

Cottage Gardens Co., Inc., Queens, N. Y.
Carnation Matchless a Great Success.
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Peter Fisher, Ellis, Mass.

New Carnation Alice.

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F. Dorner & Sons Co., Lafayette, Ind.
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CARNATIONS—Rooted cuttings: Beacon, Rosette, White Enchantress, \$3.00 per 100, \$25.00 per 1,000; Philadelphia, \$5.00 per 100, \$10.00 per 1,000.

FRANK P. PUTNAM, Lowell, Mass.

CARNATION STAPLES

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 1000 for 35c.; 3000 for \$1.00 post paid. I. L. PILLSBURY, Galesburg, Ill.

Supreme Carnation Staples, for repairing split carnations, 35c. per 1000; 3000 for \$1.00. F. W. WAITE, 85 Belmont Ave., Springfield, Mass.

CHRYSANTHEMUMS

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Wood Bros., Fishkill, N. Y.
Chrysanthemums Rooted Cuttings.
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I. M. Rayner, Greenport, N. Y.
New Chrysanthemums.

THE BEST 1915 NOVELTIES.

The Cream of 1914 Introductions.

The most popular Commercial and Exhibition kinds; also complete line of Pompons, Singles and Anemones. Trade list on application. ELMER D. SMITH & CO., Adrian, Mich.

CHRYSANTHEMUMS—Finest Singles, Exhibition and Commercial; English Single Novelties for 1915; Choice New and Standard Singles; Best Pompons and Anemones. Send for Catalogue.

FRANK P. PUTNAM, Lowell, Mass.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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CYCLAMENS

Thomas Roland, Nahant, Mass.
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CYCLAMEN GIGANTEUM

For several years we have been working for the improvement of the Cyclamen; we offer for March and April delivery, young thrifty plants from 2 in. pots, giant white, white-pink eye, giant pink, dark red, brilliant red, at \$5.00 per 100; Glory of Wandsbek (brilliant salmon) at \$8.00 per 100. These are plants produced from our own improved strain.

J. A. PETERSON & SONS

Westwood, Cincinnati, Ohio

DAHLIAS

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange. GEO. H. WALKER, Dahlia Expert, North Dighton, Mass.

DAHLIAS.

Send for Wholesale List of whole clumps and separate stock; 40,000 clumps for sale. Northboro Dahlia and Gladiolus Gardens. J. L. MOORE, Prop., Northboro, Mass.

NEW PAEONY DAHLIA

John Wannamaker, Newest, Handsomest, Best. New color, new form and new habit of growth. Big stock of best cut-flower varieties. Send list of wants to

PEACOCK DAHLIA FARMS, Berlin, N. J.

ALEXANDER'S QUALITY DAHLIAS are the best on the market; 800,000 Clumps to offer, at rock bottom prices, in full field clumps, and strong divisions. If you are looking for stock for your 1915 Catalogue, or for forcing, send at once for free catalogue. J. K. ALEXANDER, "The Dahlia King," East Bridgewater, Mass.

DECORATIVE PLANTS

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FUCHSIAS

Fuchsias—Black Prince, Speciosa, double
purple and white, Rooted Cuttings, \$1.00
per 100; 2½-in., \$2.00 per 100.
W. J. BARNETT, R. D. 67, Sharon, Pa.

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Mme. Sallerol Geraniums—Very strong,
well established, 2-in., \$2.00 per 100, \$18.00
per 1000. HOPKINS & HOPKINS, Chepa-
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GLADIOLUS

John Lewis Childs, Flowerfield, L. I., N. Y.
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Gladiolus—Shakespeare, Hyde Park,
Morning Star. Good for Florists' use.
First and second sizes. Write for prices.
HERMAN H. BAER, New Hyde Park, N. Y.

First size America, \$7.00; Mrs. F. King,
\$9.00; Velvet King, \$11.00 per 1,000, until
stock is reduced. Write for wholesale and
retail price lists of about 100 varieties.
G. D. BLACK, Independence, Iowa.

GLADIOLUS AMERICA—1½-in. and up,
\$7.50 per 1000; 1-in. and up, \$5.00 per 1000;
bulblets, 50c. per 1000. A-1 mixture, 1½-
in. and up, \$6.50 per 1000. RINGLER ROSE
CO., 331 W. Randolph St., Chicago, Ill.

First size healthy Gladoll, per 1000:
Augusta, 14.00; Hulot, \$14.00; Halley, \$14.00;
King of Yellow, \$25.00; Francis King, \$14.00;
Panama, \$37.50; Pink Beauty, \$9.00; White
and Light Mixed, \$10.00. Send for list of
75 varieties, including planting sizes. F. E.
SWETT & SON, Stoughton, Mass.

Mrs. Watt, the gladiolus of quality; bril-
liant wine, one solid color, the same shade
as Hadley rose; large flower, strong spike,
robust grower; first size bulbs, \$3.50 per
100; also planting stock (¾ to ¾ inch) of
the following: America, \$1.50; Klondyke
(yellow), \$2.50; Taconic (bright pink),
\$2.75; Augusta (white), \$2.50 per 1000.
Halley, Princess, Columbia, Mrs. King,
Chicago White, Peace, Niagara, Golden
King and Pendleton—write for prices.
HOMER F. CHASE, Lawrence, Mass.

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Greenhouse glass, lowest prices. JOHN-
STON GLASS CO., Hartford City, Ind.

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GOLD FISH

Gold fish, aquarium plants, snails, cas-
tles, globes, aquarium, fish goods, nets,
etc., wholesale. FRANKLIN BARRETT,
Breeder, 4815 D St., Olney, Philadelphia,
Pa. Large breeding pairs for sale. Send
for price list.

GREENHOUSE BUILDING MATERIAL

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Stearns Cypress.

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HARDWOOD ASHES

Hardwood Ashes for sale. GEO. L.
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HART'S PATENT STAPLE TACK

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A. T. Stearns Lumber Co., Neponset, Mass.

STANDARD HOT BED SASH—80c. each.
Glass, 6 x 8, 8 x 10, 10 x 12 or 10 x 14, \$1.50
per box. C. N. ROBINSON & BRO.,
Dept. 29, Baltimore, Md.

HOSE

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Aphis Punk and Nikoteen.
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In writing to Advertisers kindly mention Horticulture

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 Ky.
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IVY

For 9 in. Ivy from 10 in. to 50 in. \$3.00,
 from 1 ft. to 4 ft. \$5.00 per 100
CHARLES FROST, Kentworth, N. J.

LEMON OIL

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LILY BULBS

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 Horticultural Importers and Exporters.
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Loechner & Co., New York City.
 Lily of the Valley Pips.
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Lily of the Valley plants, \$5.00 per 1000;
 clumps, \$8.00 per 100; Pilly Rose, stock
 plants, \$2.00 per 100. Dealers of all varie-
 ties. Write, **HENRY SCHAMBERG**,
 Hammonden, N. J.

MASTICA

F. O. Pierce Co., New York City.
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National Nurseryman Publishing Co., Inc.,
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Chas. G. Curtis, Callicoon, Sullivan Co., N. Y.
 Native Plants and Trees.
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Choicest lawn shrubs, covering plants and
 border perennials. Low prices.
 low. Any quantity. Send for list.

WYOMANOCK NURSERIES
 Rt. 7, Lebanon Springs, N. Y.

NUT GROWING

The Nut Grower, Wyncross, Ga.
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ONION SETS

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Schilder Bros., Chillicothe, O.
 Onion Seed—Onion Sets.
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ONION SETS 2 Pounds to the Bag.
 Grades 1st, 2nd, 3rd, 4th, 5th, 6th, 7th, 8th,
 9th, 10th, 11th, 12th, 13th, 14th, 15th, 16th,
 17th, 18th, 19th, 20th, 21st, 22nd, 23rd, 24th,
 25th, 26th, 27th, 28th, 29th, 30th, 31st, 32nd,
 33rd, 34th, 35th, 36th, 37th, 38th, 39th, 40th,
 41st, 42nd, 43rd, 44th, 45th, 46th, 47th, 48th,
 49th, 50th, 51st, 52nd, 53rd, 54th, 55th, 56th,
 57th, 58th, 59th, 60th, 61st, 62nd, 63rd, 64th,
 65th, 66th, 67th, 68th, 69th, 70th, 71st, 72nd,
 73rd, 74th, 75th, 76th, 77th, 78th, 79th, 80th,
 81st, 82nd, 83rd, 84th, 85th, 86th, 87th, 88th,
 89th, 90th, 91st, 92nd, 93rd, 94th, 95th, 96th,
 97th, 98th, 99th, 100th.

YELLOW DANAE SETS

For Shipment up to the following dates:

	Per 100	Per 500	Per 1000
March 1st	\$1.50	\$7.50	\$15.00
March 15th	1.75	8.75	17.50
April 1st	2.00	10.00	20.00

WHITE SILVER SKIN SETS

	Per 100	Per 500	Per 1000
March 1st	\$1.50	\$7.50	\$15.00
March 15th	1.75	8.75	17.50
April 1st	2.00	10.00	20.00

RED WETHERSFIELD SETS

	Per 100	Per 500	Per 1000
March 1st	\$1.50	\$7.50	\$15.00
March 15th	1.75	8.75	17.50
April 1st	2.00	10.00	20.00

Almost 100 Years' Established Trade.

J. BOLGIANO & SON
 BALTIMORE, MD.

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PEONIES

Peonies. The world's greatest collection.
 1200 sorts. Send for list. **C. BETSCHER**,
 Canal Dover, O.

PECKY CYPRESS BENCHES

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Seele's Tieless Plant Stakes and Trell-
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 "Riverton Special."

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 New Rose Mts. Montfield Storey.

Rose Specialists.

THE CONARD & JONES COMPANY
 West Grove, Pa. Send for offers.

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 Seeds with a Pedigree.

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Seeds for the Florist.

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Geo. N. Barrie, Brookline, Mass.
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SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. LAGER & HURRELL, Summit, N. J.

DRY SPHAGNUM MOSS

Special cash price, burlap bales 45c., wired bales 35c. E. FRIEDL, Phillips, Wis.

STOVE PLANTS

Orchids—Largest stock in the country—stove plants and Crotons, finest collection. JULIUS ROEHRS CO., Rutherford, N. J.

STRAWBERRY PLANTS

Strawberry Plants, twenty varieties, at \$2.50 per 1000. Catalogue free. BASIL PERRY, Georgetown, Delaware.

SWEET PEA SEED

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Tritoma Pfitzerl, strong crowns. Write for prices. THOMAS J. OBERLIN, Sinking Spring, Pa.

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B. S. Slinn, Jr., 57 West 26th St., N. Y. City.
For page see List of Advertisers.

W. F. Sheridan, 133 W. 28th St.
For page see List of Advertisers.

P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.

Moore, Hentz & Nash, 55 and 57 W. 26th St.
For page see List of Advertisers.

Charles Millang, 55 and 57 West 26th St.
For page see List of Advertisers.

W. P. Ford, New York
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Traendly & Schenck, 131 W. 28th St.
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The S. S. Pennock-Meehan Co., 117 West 28th St.
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Badgley, Riedel & Meyer, Inc., New York.
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Woodrow & Marketos, 37 & 39 West 28th St.
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J. K. Allen, 106 W. 28th St.
For page see List of Advertisers.

George C. Siebrecht, 109 W. 28th St.
For page see List of Advertisers.

John Young, 53 West 28th St.
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M. C. Ford, 121 West 28th St.
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Guttman & Reynor, Inc., 101 W. 28th St., New York.
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Philadelphia

Leo, Niessen Co., 12th and Race Sts.
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Edward Reid, 1619-21 Ranstead St.
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The S. S. Pennock-Meehan Co., 1608-20 Ludlow St.
For page see List of Advertisers.

Richmond, Ind.

E. G. Hill Co.
For page see List of Advertisers.

Rochester, N. Y.

George B. Hart, 24 Stone St.
For page see List of Advertisers.

Washington

The S. S. Pennock-Meehan Co., 1216 H St., N. W.
For page see List of Advertisers.

New Offers In This Issue

BURPEE QUALITY FLOWER SEEDS
W. Atlee Burpee & Co., Philadelphia, Pa.
For page see List of Advertisers.

LILY BULBS AND LILY OF THE VALLEY PIPS.

Corp. of Chas. F. Meyer, New York.
For page see List of Advertisers.

MODERN IRRIGATION.

J. P. Campbell, Jacksonville, Fla.
For page see List of Advertisers.

REMOVAL NOTICE.

J. K. Allen, New York City.
For page see List of Advertisers.

SEASONABLE PLANTS.

R. Vincent, Jr., White Marsh, Md.
For page see List of Advertisers.

SPIRAEAS FOR EASTER FORCING.

W. E. Marshall & Co., New York City.
For page see List of Advertisers.

SUNDIALS.

M. D. Jones Co., Boston, Mass.
For page see List of Advertisers.

WANTS, FOR SALE, Etc.

FOR SALE

FOR SALE

5 1/2 acres of land, 4 greenhouses, about 25,000 ft. of glass; boiler house 35x50 concrete blocks; cellar under all. Return tubular boiler brick set; will heat 40,000 ft. of glass. Good supply of water. Few feet from R. R. siding and about 30 miles from N. Y. City. Plenty of young stock. Six thousand dollars required, rest on easy terms. Renters need not apply. KRAMER BROS., Farmingdale, L. I., N. Y.

FOR SALE—Fresh from factory, new; 10 x 12, 16 x 18, 16 x 24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money. PAE-SHELSKY BROS., INC., 215-217 Havesmeyer St., Brooklyn, N. Y.

FOR SALE—100 Hotbed Sashes, glazed, second-hand, in good condition, need paint, 4 rows glass, \$1.00 each; 3 rows glass at \$1.50 each. F. O. B. HENRY EICHHOLZ, Waynesboro, Pa.

MISCELLANEOUS

WANTED to buy a greenhouse establishment, not less than 30,000 ft. of glass, modern houses, in good repair. State full particulars and terms in first letter. R. E. care HORTICULTURE.

THE NUT-GROWER

The unique monthly publication which furnishes reliable and interesting up-to-date information regarding the value of pecans and other edible nuts and how to grow them for profit.

Subscription, \$1.00 per year

Sample Copy Free

THE NUT-GROWER
WAYCROSS, GA.

In writing to Advertisers kindly mention Horticulture

PUBLICATIONS RECEIVED.

Free Fall for February, 1915 published by the Fernald & Patten Company, Stamford, Conn., contains some very valuable articles on the planting of trees for street and home grounds.

California Association of Nurserymen. The proceedings of the Fourth Annual Meeting held in San Diego, October 15-17, 1914 has been published. It is a model in its class and its contents show that this young association is living up to its declared objects and aims. Henry W. Kruckeberg of Los Angeles is secretary-treasurer.

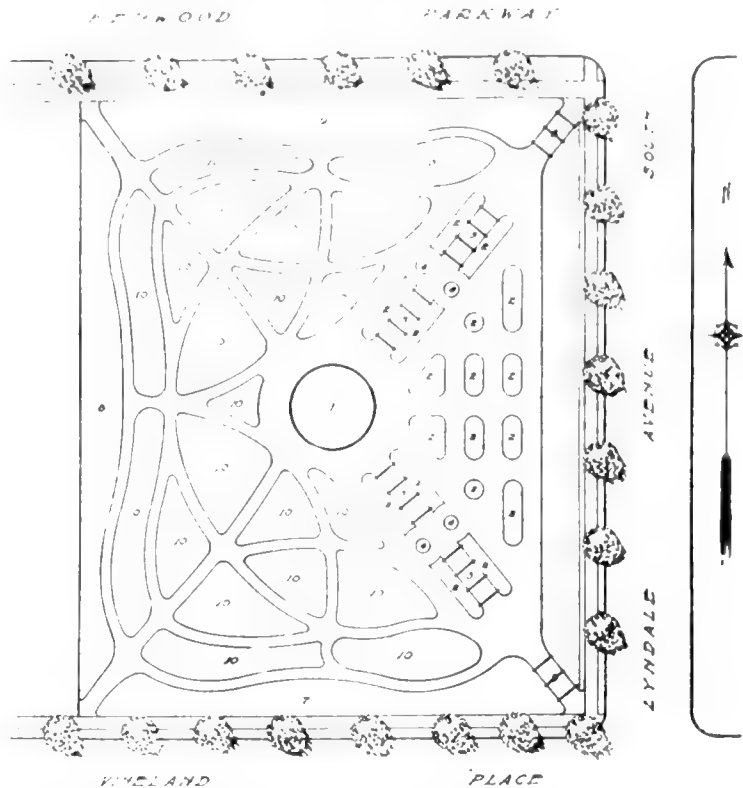
The February, 1915, number of the Minnesota Horticulturist shows plans and description of the proposed new horticultural building. The Minnesota Horticultural Society appears to be doing splendid work in the broad field of horticulture and we hope to see the required state appropriation granted for this much needed building. The location selected is midway between Minneapolis and St. Paul.

Twenty-seventh Annual Report of the Purdue University Agricultural Experiment Station, Lafayette, Ind. An interesting pamphlet of 88 pages recording the work of the various departments for the year ending June 30, 1914. The report of Prof. J. C. Arthur of the botanical department tells of experiments to rid the ground of a number of troublesome weeds, such as Canada thistle, dandelion, quack-grass, wild garlic, etc. The report of the horticultural department by Prof. C. G. Woodbury is devoted to orchard and small fruit matters. The receipts of this station from various sources for the year amounts to \$315,362.20 and expenditures \$268,576.61, of which no portion appears to have been applied to any branch of ornamental horticulture.

From the January number of the Missouri Botanical Garden Bulletin we learn that the construction of a formal garden, bounded on the north, south and east by the new conservatories, and on the west by a pergola, has been the largest single addition to the features of the main garden during the past year. The land back of the conservatory sloped so rapidly to the west that in order to level this area it was necessary to construct a reinforced concrete retaining wall, which in some places is fourteen feet in height. On top of the retaining wall there has been built an Italian pergola about 250 feet in length. This pergola, when covered with perennial vines, will constitute one of the most pleasant parts of the garden in which to rest, the outlook over the formal garden being particularly attractive. The latter, with the aid of hedges, orange and boxwood trees, appropriate furniture and fountains, will be the most pretentious thing of its kind that has ever been attempted at the Missouri Botanical Garden. Here will be afforded an unusual place for the exhibition of tulips in the spring, and throughout the summer a succession of foliage and flowering plants will present an admirable example of what can be done with this sort of a garden.

The total number of visitors to the garden in 1914 was 222,211, of whom 90,187 came on Sundays. The number of specimens in the herbarium is now 657,461.

THE MINNEAPOLIS CONVENTION GARDEN.



1. Aquatic Plants.
2. Bedding Plants, one variety in each bed.
3. Collection of Bedding Plants.
4. Flower Vases.
5. Arbor Way with Annual Climbers.
6. Arborvitae Hedge.

7. Evergreens.
8. Border planting of shrubs, evergreens, ornamental grasses, perennials, annuals, bulbs, etc.
9. Deciduous shrubs.
10. Perennials and annuals in groups, classes and combinations.

On account of the large amount of annual planting material required to fill the garden, which, because of the requirements for bedding plants for other parks, we are not able to furnish from our own propagating plant, it seems advisable to change the layout of the garden to provide appropriate room for a larger number of perennials and other hardy plants which do not require replacing every year. The accompanying plan shows the proposed rearrangement of the grounds.

We cannot expect outside growers to furnish large quantities of plants every year to help fill this large garden and we do not intend to ask them to do so. We are, however, not only willing but anxious to have all growers who wish to do so, make use of these display grounds to introduce and show their novelties in large or small numbers. Exhibits sent us for that purpose will be given a conspicuous place in the garden amongst the class of plants to which they belong. They will be properly labeled, giving the

exhibitor's full name and address. We simply ask that prospective exhibitors write to us before April 1st what they wish to exhibit so that we may reserve space for their exhibits, and that the plants be sent, freight or express prepaid, at the proper time of planting.

Our home people are taking a great interest in the garden right along and there can be no question as to the advertising value of an exhibit at these well kept exhibition grounds. I therefore extend a hearty invitation to all growers and introducers of novelties and meritorious plants to make use of our garden. We will do our share to grow the plants as nearly to perfection as possible and to thus serve the interests of the exhibitors and public alike.

THEODORE WIRTH,
Superintendent of Parks.

Bloomington, Ill.—Andrew Peterson of Gibson City has rented the greenhouses of C. W. Moore.



NIKOTEEN For Spraying
APHIS PUNK For Fumigating

ASK YOUR DEALER FOR IT.

NICOTINE MFG. CO. ST. LOUIS, MO.

LIQUID = "NICO-FUME" = PAPER

40% Nicotine

3-lb. can	\$10.50
4-lb. can	5.50
1-lb. can	1.50
1/4-lb. can .....	.50

288 sheet can	\$7.50
144 sheet can	4.00
24 sheet can .....	.85

THRIPS, - APHIS
SPRAYING—VAPORIZING—FUMIGATING
YOUR DEALER HAS THESE PRICES

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Incorporated, Louisville, Ky.

South American Sheep and Goat Manure



We have just landed the Third 1000 Ton Cargo in New England and it is certainly as good or even better than the last. If South American Goat and Sheep Manure had not come up to the expectations of the growers who bought the first, or if we could not guarantee to furnish the same high grade article, which has built up for itself and for us such a splendid reputation from the very first start, we would never have had to send a ship after another 1000 tons. That's plain. We have an abundant supply for New England and it is our aim to keep this right up to the high standard you know it to be. It is ground fine and is clean to handle, makes an ideal liquid manure, which is safe. **WE GUARANTEE OUR S. A. S. & G. M. TO BE ABSOLUTELY PURE.** Spring is near and plants need feeding. For Roses, Carnations, Lilies, Ferns, Palms, or any other plants, our S. A. S. & G. M. will do just what a full meal will do for a hungry man.

Write for Sample and Price, Today.

SANDERSON FERTILIZER & CHEMICAL CO. Sole N. E. Distributors **NEW HAVEN, CONN.**

LEMON OIL CO'S STANDARD SOLUBLE IN WATER INSECTICIDE NO POISON

Guaranteed under the Insecticide Act, 1910. Series No. 321
 Save your plants and trees. Just the thing for Greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrip, Red Spider, Black and Green Fly, Mites, Ants, Insects on Rosebushes, Carnations, etc., without injury to plants and without odor. Used according to directions our standard insecticide will prevent ravages on your crops by insects.

Non-poisonous and harmless to user and plants. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pests. Excellent as a wash for dogs and other animals. Relieves mange.

Effective where others fail.

1/2 Pint...25c; Pint...40c; Quart...75c
 1/2 Gal., \$1.25; Gal., \$2.00; 5 Gal. Can., \$9
 10 Gal. Can....\$17.50

Dilute with water 30 to 50 parts.
 For Sale by Seedsmen and Florists' Supply Houses
 If you cannot obtain this from your supply house write us direct.

LEMON OIL COMPANY, Dept. K
 420 W. Lexington St., Baltimore, Md.
 Directions on every package

Cocoanut Fibre Soil WAR

Does not stop the use of Humus. All seedsmen keep it in stock. It is the last word in Fertilizing Humus. Send for Prices.

20th CENTURY PLANT FOOD CO.
 27 & 29 OCEAN ST., BEVERLY, MASS.



Unequalled for Greenhouse and Landscape Fertilizing

THE PULVERIZED MANURE CO.
 31 Union Stock Yards, Chicago

Aetna Brand Tankage Fertilizer

Is the best balanced Fertilizer on the market, and is giving satisfactory results wherever used.

Farmers and Florists Fertilizer Company

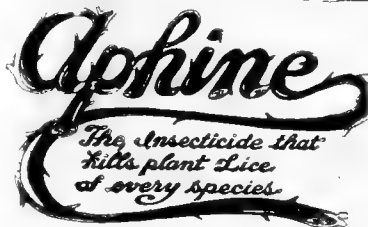
809 Exchange Ave., Room 5, U. S. Yards,
 CHICAGO, ILL.
 Telephone—Drover 1932.

Plantlife Insecticide

A tobacco preparation used by the best growers for dusting and spraying.

Write for book of testimonials and prices.

THE PLANTLIFE CO.
 251 East 66th St., New York, N.Y.



The Recognized Standard Insecticide.

A spray remedy for green, black, white fly, red spider, thrips, mealy bug and soft scale.
 Quart, \$1.00; Gallon, \$2.50.

FUNCINE

An infallible spray remedy for rose mildew, carnation and chrysanthemum rust.
 Quart, 75c; Gallon, \$2.00.

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A soil sterilizer for cut, eel, wire and angle worms.

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A scalicide and fungicide combined for San Jose and various scale on trees and hardy stock, and various blights which affect them.

Quart, 75c; Gallon, \$1.50.

NIKOTIANA

A 12% nicotine solution properly diluted for fumigating or vaporizing.

Quart, \$1.50; Gallon, \$4.50.

If you cannot obtain our products from your local dealer, send us your order and we will ship immediately through our nearest agent.

Aphine Manufacturing Co.
 MADISON, N. J.

GEO. A. BURNISTON President
M. C. EBEL Treasurer

SCOTCH SOOT

Where there is a house that is just full of buds almost ready to show color, nothing will turn better color into the flowers than a little soot, that can be scattered over the benches before watering. The amount applied should not be excessive, as the soot is very strong and may damage some of the foliage somewhat. Apply just enough to blacken the surface of the soil in the benches, and let it go at that. Better a little oftener than too much all at once.

We offer the genuine in original cwt. Sacks, 40 lbs.
 \$4.00 per 112 lbs.; \$17.50 per 560 lbs.

Stumpp & Walter Co.
 30-32 Barclay Street, NEW YORK

When writing to advertisers kindly mention **HORTICULTURE**.

Est. 1765

FOR "POT LUCK" USE

Inc. 1904

Pot Makers for a
Century and a Half**HEWS STANDARD POTS**World's Largest
Manufacturers

AND RED EARTHENWARE SPECIALTIES

Write for Catalogue
and Discounts**A. H. HEWS & CO., Inc., Cambridge, Mass.**Warehouses:
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King, of King Construction Co., North
Tonawanda, N. Y.; E. A. Seidewitz, An-
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most for the money" in**GREENHOUSES**Write for Bulletin No. 47
and you will see why.**KING CONSTRUCTION CO.**
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Roberts, with R. A. Simmen, La Salle,
Ill.; Mr. Thomas with E. G. Hill Co.,
Richmond, Ind.; Mr. and Mrs. J. S. El-
spermann, Evansville, Indiana.**GREENHOUSES BUILDING OR
CONTEMPLATED.**Great Falls, Mont.—J. L. Trump, one
house.Woburn, Mass.—A. G. Lundquist,
Garfield avenue, one house.Blue Point, New York.—Charles
Fish, two commercial houses, Lord &
Burnham Co., 40 x 200 each.Chicago, Ill.—Edward Clody, 3942
North Clark street, house 25 x 168;
Frank Oechsli, range of six houses.Great Barrington, Mass.—Wm. Hall
Walker, "Brookside;" Lord & Burn-
ham range, consisting of palm house,
rose and carnation houses, fern house,
two orchid houses, orangery, two
melon houses, two plant houses and
two peach houses which with service
annexes and mason work amount to
an expenditure of about \$80,000.

CATALOGUES RECEIVED.

E. Stanley Brown, East Moriches,
N. Y.—An Approved List of Dahlias,
Gladioli and Peonies, grown tested and
for sale.Thornton Brothers, Lawrence, Mass.
—List of "Sure Crop" Seeds, Spring,
1915. Lists some of the leading nov-
elties in sweet peas and is particu-
larly strong on choice garden vege-
tables.M. H. Walsh, Woods Hole, Mass.—
Walsh's Handbook of Roses. We hard-
ly need say that this list of roses of-
fered by the eminent rosarian and hy-
bridist M. H. Walsh, is a very choice
and reliable selection from the world's
rose treasures. The great class of
Wichuraiana hybrids which through
Mr. Walsh's skill, have so enriched
our American gardens, is fully covered
and the new prize-winning "America"
occupies the place of honor on the
cover page, in full color. The novelty
list in the various classes is interest-
ing and comprehensive. There are
many handsome illustrations.New York Florist Bowling Club,
Thursday, February 11.

	1st	2nd
	Game	Game
J. Mieser	191	180
P. Jacobson	173	151
W. H. Sebrocht	152	159
W. P. Ford	162	201
C. W. Scott	161	156
H. C. Riedel	155	173
J. Fenrich	176	179
A. Schanzer	107	121
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Send your business direct to Washington.
Saves time and insures better service.
Personal attention guaranteed.
Thirty years active service.

SIGGERS & SIGGERS

PATENT LAWYERS

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**1000 READY PACKED CRATES
STANDARD FLOWER POTS AND BULB PANS**can be shipped at an hour's notice. Price
per crate:

2000 1½ in. @ \$6.00	500 4 in. @ \$4.50
1500 2 " " @ 4.88	450 4½ " " @ 5.24
1500 2½ " " @ 5.25	320 5 " " @ 4.51
1500 3 " " @ 6.00	210 5½ " " @ 3.78
1000 3 " " @ 5.00	144 6 " " @ 3.16
800 3½ " " @ 5.80	120 7 " " @ 4.20
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HILFINGER BROS., Pottery, Fort Edward, N. Y.
August Rolker & Sons, 51 Barclay St., N. Y. City, Agents
OUR SPECIALTY—Long Distance and Trade ExportThe best **PAPER
POT** for shipping
purposes. Sizes from
2 in. to 6 in.Ask your dealer for
them. Samples free.**E. ALLAN PEIRCE,**
401 Oaks St.,
Waltham, Mass.**STANDARD FLOWER
POTS**If your greenhouses are within 500 miles
of the Capitol, write us, we can save
you money.**W. H. ERNEST**

- 28th & M Sts. Washington, D. C.

**SUNDIALS**
Real bronze Colonial design
From \$5.00 UpSend for new Catalogue of
Garden requisites**THE M. D. JONES CO.**
71 Portland St., Boston

Red Devil
No. 622-5½ in.

Hand honed like a razor. Tested to cut
the finest bouquet wire. Handles fit
your hand like a glove. At your dealer
or from us for 70 cents.

SMITH & HEMENWAY CO.
181 Chambers St., New York City.
Makers of "Red Devil" Glass Cutters
and other tools. Booklet on request.

NOW SEND US THAT INQUIRY ON

Greenhouse Construction and Heating Material

Hot Bed Sash Pecky Cypress Celery Boards
Knock Down Plant Boxes

PROMPT SHIPMENTS

THE FOLEY GREENHOUSE MFG. CO.

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WHY NOT RIGHT NOW WRITE TO

The ADVANCE CO., and get prices and catalogue on the full line of Ventilating Equipment and Greenhouse Fittings which we manufacture?

We constantly direct our efforts towards making our line undoubtedly the best on the market. We feel that we have succeeded in this respect, but our efforts are now directed to maintain. We like to have the trade look to us for anything new or any advantages in our particular line. It is going to pay you to give us proper consideration when you need anything in our line. TODAY—that's the time.

ADVANCE CO., Richmond, Ind.

SHARP, PARTRIDGE & CO.

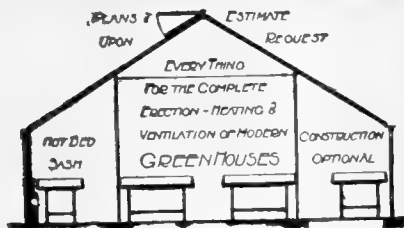
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GREENHOUSE GLASS

OUR PRICES WILL PROVE THIS.

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SKINNER SYSTEM OF IRRIGATION.

MARK.

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We lead the world in overhead irrigation of all kinds. Send for revised edition of our booklet "Modern Irrigation," and literature describing our circular irrigation sprinklers, the Campbell Automatic and Campbell Turbo-Irrigator, and the new Automatic Oscillator for overhead pipes.

J. P. Campbell

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Greenhouse Material
Hot Bed Sashes

Our prices can be had by mail, and it will pay you to get them. We carry the largest stock of Specially Selected Glass in Greater New York and can supply any quantity from a box to a car load on a one day notice, and at Rock Bottom Prices.

PARSHELSKY BROS. Inc.

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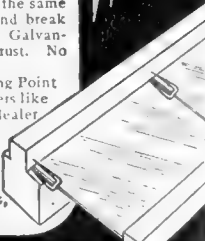
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Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts. The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

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714 Chestnut Street,
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SIZE
No 2



THE FLORISTS' HAIL ASSOCIATION OF AMERICA, insurer of 39,000,000 sq. ft. of glass

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John G. Esler, Sec'y Saddle River, N. J.

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Made of Fire Box Flange Plate;
Cannot Crack.

Water Space in Front, Sides and Back
The Most Popular Boiler Made

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Kroeschell Bros. Co.

466 W. Erie St.

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SECOND HAND PIPE

Guaranteed capable of pressures necessary for irrigation. Newly threaded and coupled.

Special LOW PRICES for

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Largest dealers in all sizes of Second Hand Storage and Pressure Tanks, Boilers, etc.

We are Agents for
THE SKINNER SYSTEM

THE PERRY, BUXTON, DOANE CO.

200 West First St., So. Boston, Mass.

MASTICA FOR Greenhouse Glazing

USE IT NOW.

F. O. PIERCE CO.
12 W. BROADWAY
NEW YORK



Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

DREER'S

Florist Specialties,
New Brand, New Style.
Hose "RIVERTON"
Furnished in lengths up to 500 ft. without seam or joint.

The HOSE for the FLORIST
3/4-inch, per ft., 15 c.
Reel of 500 ft., " 14 1/2 c.
2 Reels, 1000 ft., " 14 c.
3/4-inch, " 13 c.
Reels, 500 ft., " 12 1/2 c.

Couplings furnished
HENRY A. DREER,
714 Chestnut St.,
PHILADELPHIA, PA.



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FROM

Quaker City Machine Co.

TO
THE JOHN A. EVANS CO.

Richmond, Ind.



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TO further lighten a construction, that had apparently already reached the point of greatest lightness, consistent with safety, was a problem that faced us three years ago, when the J. W. Davis Co., of Davenport, Iowa, added their last wide house.

There seemed but one thing to do and that was, widen the distance between the rafters. So we increased it to 8 lights 16 inches wide instead of 6. This decreased the number of columns and posts considerably. But it put an extra weight on the purlins and rafters.

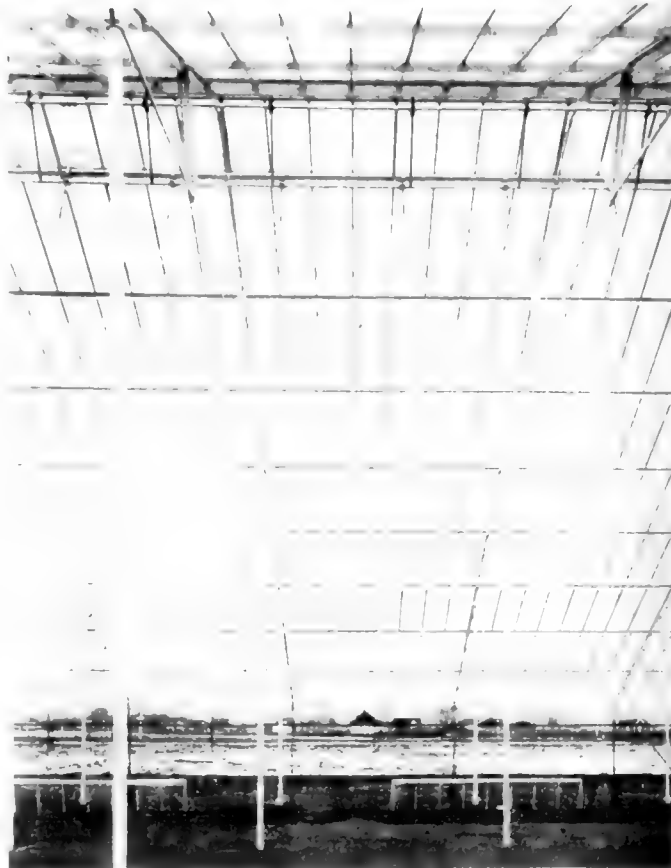
To overcome this, we slightly increased the size of the purlins and depth of the rafters

and strength of the fitting that secures the purlins to the rafters. In the center, between the side posts, we put sort of a junior post, just half the size of the regular posts. This extended from the eave into the concrete sides and footing.

It took the extra strain put on the eave, by the wide spacing and met any tendency of the eave to sag.

It certainly made a splendid house.

On entering it, you at once recognized its un-



This shows the lightness of the house when the rafters are spaced with 8 lights of 16-inch glass instead of the time-worn 6 light spacing.

usual lightness, but if it didn't occur to you to count the glass between the rafters, it would have puzzled you to account for it.

This same construction was used in W. B. Davis' houses at Aurora, Ill., and is being used in the new Davis Plant, now under construction at Terre Haute, Ind. The houses are 76 feet by 600 feet.

Doubtless, you wonder why it is we have not exploited and pushed this expanded space construction. Our answer is: it was such a radical departure that although we believed in it thoroughly and tested it out exhaustively before selling it to the Davis Brothers; still we

thought it the part of wisdom to do a little "watchful waiting."

We wanted to make sure that we were surely right and take time to watch its action carefully during several seasons, under varying weather conditions.

The way it has acted has more than satisfied us. As a result, we have concluded to still further widen the spacing, and it's of this extra spaced house that we are going to tell in our next Ad.

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Vol. XXI
No. 10
MARCH 6
1915

HORTICULTURE



Forced Darwin Tulip, William Copeland

Dreer's Select Fancy-Leaved Caladiums Tuberous Rooted Begonias and Gloxinias

We feel fortunate that in spite of the disarranged condition of affairs in Belgium, we can offer the strain of Tuberous Rooted Begonias and Gloxinias that we have been supplying from the same expert grower for more than a quarter of a century, and without any advance in price.

YOU MAY BUY CHEAPER, BUT NOT BETTER STOCK

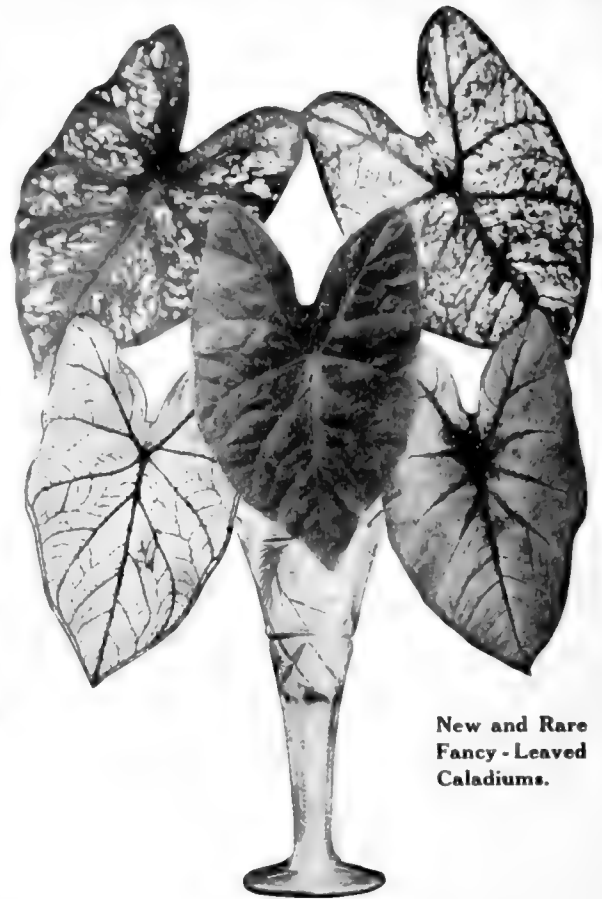
TUBEROUS ROOTED BEGONIAS.			
Single Varieties to Color, Scarlet, Crimson, White, Rose, Yellow, Orange.....	Doz	100	1000
Single Varieties in Choicest Mixture.....	\$0.40	\$2.50	\$22.50
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Double Varieties in Choicest Mixture.....	.60	4.50	40.00
Double Fringed Varieties, New, White, Scarlet and Rose.....	.50	4.00	35.00
Single Fringed Varieties, Scarlet, White Pink and Yellow.....	1.50	10.00	90.00
Begonia Zeppelin.....	.85	6.00	50.00
Begonia Lafayette.....	1.25	8.00	70.00
GLOXINIAS, Blue, Red, White, Blue with White Edge, Red with White Edge, or Finest Mixed.....	1.50	10.00	
Gloxinia, New Emperor Varieties, Hybrid Impatiens, Choicest Mixed.....	.60	3.50	30.00
FANCY-LEAVED CALADIUMS. An immense stock of the choicest varieties:	.85	6.00	50.00
Fine Standard Varieties.....	1.75	12.00	100.00
Rare and New Varieties.....	2.25	15.00	140.00
Rare and New Varieties.....	3.50	25.00	
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Greenhouse grown, smooth, well ripened seed. All from my own stock.

1,000 seeds.....\$4.00 per 1,000
10,000 seeds..... 3.50 per 1,000
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Special prices on large orders. Also splendid new crop Asparagus Plumosus Nanus Strings.

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NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil."—*Pope*.

Mignonette in Pots

It should hardly be necessary to remind retail plantsmen of the fact that mignonette grown for the general pot plant trade is a good seller, not difficult to work into shapely and attractive specimens in less time than it takes with most other kinds of stock. To have a good stock of 4 and 5 inch plants for the spring and Memorial Day trade it is necessary to sow the seeds now. All transplanting should as much as possible be avoided. We fill the 3-inch pot up to the rim with soil, sow half a dozen seeds in the center and with the bottom of an empty pot press down quite firmly. Three plants may be grown in one pot, all forming a dense bush. Keep at about 48 degrees and keep growing right along. Placed well up to the glass they will grow nice and stocky. Give light fumigation every week.

Salvias

All the newer types of salvias are good material for outdoor planting and, as such, highly prized and extensively made use of by all classes of people. Few other plants mainly used, in the brightening of home grounds, have stronger claim for public favor. Salvias are easily and rapidly propagated by cuttings taken from last year's plants. It is not yet too late to strike another batch if good cuttings can be had. The first seedlings are now in 2-inch pots almost ready for 4-inch. Those sown later will all be readily disposed of either as 2, 3 or 4 inch stock, most of the larger sizes being in bloom when sold. Any sudden change in temperature or constant overdoses in watering hurt salvias, while yet soft and growing rapidly. Do not keep them too cool. Put them well up to the glass.

Seed Sowing

In order to have annuals and perennials of good size by planting out time seed should be sown now. Sow them on a mixture of about one-third each of fresh loam, leaf mold and clean sand. For the bottom of the flats or pans any rough soil will do—in fact it is better. Fill to within about half an inch of the top and firm. Give them a good soaking of water and allow time for them to drain. The seed can be sown and covered about three times their diameter in depth and pressed even. Place them where they can have a little bottom heat and in a temperature of about 60 degrees. Just as

soon as they start to come up uncover and place well up to the light.

Starting Begonia Tubers

Tubers started now and on to the end of March will be in good time for the spring and summer demands. A good way to give these tubers a good start is to place them in flats about three inches deep with some crocks on the bottom covered with sphagnum. Leaf mold and sand in equal parts make a good compost. Place the tubers about half an inch apart and deep enough so they will be just covered. Give bottom heat of about 70 degrees until they have made some young leaves and roots. Before they begin to crowd they will need to be potted into four-inch pots, using a mixture of new loam, three parts, leaf-mold and cow manure one part each and some sand.

Sweet Peas

Winter-flowering sorts that were started earliest are now beginning to give out, while those planted later into vacated chrysanthemum beds will be in substantial growth. Apply liquid stimulants carefully and be cautious about ventilation, especially if the vines are near the glass. Give hard sprinkling after every picking rather than frequent and heavy fumigation to hold them free of aphids. Remove every bloom whether salable or not, to prevent seeding, and water to the extent of keeping the now well-matted roots always moderately moist with no drying out between times, which treatment will considerably lengthen their flowering season. In the treatment of the later batches yet full of vitality, more air—lots of it at all possible times—is called for, together with regular fumigation in frequent but very mild applications. Also greater restraint and care in watering to prevent stem decay is required. A temperature of as low as 45 degrees at night with not much more than 10 degrees higher in daytime is advised as long as the rapidly increasing sun heat permits.

Outside Work

Now that there will be plenty of good days to do outside work, we should do the most important work first, such as getting hot beds ready, also frames, so that in a few weeks we shall be able to relieve our crowded houses. All beds, borders and land needed for planting will require manuring when dry enough to dig.

Next Week:—Care of Pelargoniums; Compost; Easter Lilies; Orchids; Making a Hotbed; Fancies.

SPRING TRADE AND EASTER NUMBER

MARCH 20, 1915

Advertising in the Spring Trade Number is Good Business. It has a Definite Purpose Which Assures Double Value

HORTICULTURE

VOL. XXI

MARCH 6, 1915

NO. 10

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HORTICULTURE PUBLISHING CO.

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iving and if this be so then the much bewailed "high cost of living" has accomplished some good and is indeed a blessing in disguise. A busy season for the seedsmen means an industrious summer and more rational living for the consumer and the inauguration of better conditions all around.

Perversity or what?

Our national Senate is not a very sensitive body, evidently, or it would worry a lot about the attitude of the public on its refusal to strike out the appropriation of \$245,000 for tree seeds, repudiated by the Agricultural Committee and repeatedly condemned and ridiculed by granges, societies and farmers' papers all over the country. The respect which every patriotic citizen would naturally feel for those who occupy high station in a "government of the people" gets an incurable jolt with such evidence of the small "measure-up" of their chosen representatives. How true it is that

"Obstinacy's ne'er so stiff
As when 'tis in a wrong belief."

What next?

At a recent gathering of gentlemen, most of whom are prominently identified with commercial floriculture, a question was asked as to what flower stands most available and likely to be widely taken up for improvement and exploitation as a cut flower specialty. The markets in most cities are supplied this season with a larger diversity of flowers, outside of the universal staples, than has ever been the case before in this country, almost every one of which might hopefully be taken in hand for special advancement. This fact will be apparent to anyone visiting the wholesale markets on any morning or taking the trouble to inspect the stock in the show cases of prominent retail florists.

Two candidates

On the occasion above referred to one party suggested that the so-called English primrose preeminently possesses the necessary attributes to make it a very desirable candidate for an increased popular interest, as well as characteristics which suggest its probable responsiveness to any well directed effort to develop and improve it upon standard points of excellence, such as size of flower, length and strength of stem, variety and brilliancy of color, form of truss, etc. This sounds promising for the primrose and why is it not as amenable to such a course of advancement as for instance the sweet pea proved to be, especially considering that the painstaking work which has been done on the primrose in England and elsewhere in Europe has been mostly in the direction of ideals quite different from what an American cut flower specialist would strive for. Undoubtedly the best success would be attained by breeding with an original species type. *P. malacoides* has promising attributes for future development. Another flower favorably mentioned for a place of prominence in the flower trade of the immediate future was the *Buddleia* in its various species. This plant is but slightly known as yet amongst the trade but already the richly perfumed *Buddleia asiatica* has begun to get recognition as an exceedingly graceful and otherwise very attractive flower and at the very first try the American hybrid, *B. Farquharii* comes to the front recognized by all who have seen it—including the discoverer of *B. asiatica*—as far superior to the latter, which was one of its parents. As it appears now, nobody can begin to predict what the *Buddleias* may shortly attain to, but that they are destined to take their place among the much used cut flowers commercially seems now assured beyond a doubt.

Home truck raising

We have learned from a number of seedsmen that the demand for kitchen garden seeds has started in already on a scale which would indicate an unprecedented planting of such material during the coming spring. Perhaps this is the public response to the increased cost of

SOME BEAUTIFUL IRISES



IRIS RETICULATA VAR KRELAGEI

The Irises pictured herewith are among the most beautiful of the bulbous section, and to my mind one of them, *Iris reticulata*, will bear comparison with any species in the genus. Its flowers, which are produced before the leaves, are from three to four inches in diameter, six to eight in height, and several are produced by each bulb. They are rich violet in color, with golden yellow and white markings on the falls. The flowers last in good condition for a considerable time, and charm all the while with their delicious fragrance reminiscent of that of violets. The photograph shows the reticulated character of the covering of the bulb, which gives this Iris its specific name. It is a native of Asia Minor and Persia.

Iris reticulata var. *Krelagei*, whilst not possessing the charm of the type, is very beautiful and worthy of culture. It is somewhat dwarfer than *I. reticulata*, its coloring is not so brilliant, nor its fragrance so pleasing. The flowers are red-purple in color with veins of a darker shade. The falls have golden yellow markings and some flowers possess a velvety blotch that is almost black. It is a native of the Caucasus. Other varieties of *I. reticulata*, are *Histrio*, and *histrioides*, both of them pale blue in color. They are valuable in that they come into flower some weeks earlier than *I. reticulata*.

Iris Danfordiae is a diminutive species, the flowers only ascending three or four inches from the soil. The leaves, which are produced after the flowers, are about a foot in length. At a first glance the standards in this species appear to be absent, but, on closer observation, they may be found much reduced in size and having the appearance of scale-like teeth. The flowers are fragrant, about two inches in diameter, the outer segments



IRIS RETICULATA



IRIS DANFORDIAE

being orange yellow, with brown or greenish spots. The style arms are yellow and the style crests are very conspicuous. It is a native of the Cilician Taurus.

All these Irises are of fairly easy culture and are very valuable winter flowering, cool house, subjects. The bulbs should be potted in the fall, in pans, placing the bulbs about two inches apart, excepting those of *I. Danfordiae*, which not being of such strong growth may be planted closer together. The soil should consist of two parts loam, one part leaf soil, with enough broken oyster shells or mortar rubble to provide calcareous matter, and to make the soil thoroughly porous. After potting, the bulbs should be plunged out-of-doors in ashes, with good covering to keep out severe frosts, and left until about the middle of January, when they may be brought into a house having a night temperature of 50 deg., and allowed to bloom. Whilst blooming they should be treated to an application of bone meal, which will assist in the formation of good bulbs which will flower the following year. When the leaves begin to turn yellow, water should be withheld and the plants allowed to dry off.

An abundance of sunshine and water during the growing season, and a porous soil with good drainage in the pots, are the important things to provide in the cultivation of these beautiful Irises. It should also be borne in mind that hard forcing will so debilitate them as to make them useless for another year.

Montague Free

Brooklyn Botanic Garden.

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Spring Trade Number of HORTICULTURE

The Advance Booster for Reviving Business. Get in and

HELP US PUSH

CULTURE OF HARDY SHRUBS

Horticultural Society Lecture by Arthur E. Thatcher.

A timely address on the culture of hardy shrubs was delivered before the Massachusetts Horticultural Society on February 27 by Arthur E. Thatcher of Bar Harbor, Me., superintendent of the Mount Desert Nurseries. He showed how the garden may be made much more attractive by the use of hardy shrubs, which requires little care from year to year, if planted right, and suggested that good ideas on what shrubs to select and how to arrange them may be obtained by visiting the Arnold Arboretum. He said in substance:

When one considers what a large number of people there are who spend the most pleasant part of the year in their country homes it is somewhat surprising that so little attention has been given to the hardy garden and the many beautiful subjects which are suitable for adorning lawns and pleasure grounds. But the rapidly increasing interest which is being taken in all branches of horticulture makes it safe to assume that a much greater use will be made of those shrubs and plants which are capable of withstanding the rigors of our variable climate and which, instead of having to be renewed every year like the majority used for garden decoration at the present time, are enabled to continue giving pleasure year after year with a minimum of expense and yet giving far more beautiful and adequate returns than annual plants are capable of doing. Along the Eastern seaboard of North America from Washington to Bar Harbor and inland for some hundreds of miles we have a climate remarkable for its variability and severity and also remarkable for the fact that in no part of the world do flowering shrubs succeed better. English enthusiasts when visiting this country are always impressed with the beauty of our deciduous shrubs produced by the well-ripened wood, the result of our warm summers and congenial warm temperature, and though we cannot succeed so well with many of the ornamental leaved evergreens so conspicuous in English gardens yet we have our corresponding advantages. Having been privileged to work for many years in one of the foremost gardens in England, where hardy trees and shrubs received the careful attention of the owner and were a great specialty, and also for several years in that great institution, the Arnold Arboretum, I may claim to have had exceptional opportunities for studying their requirements. Knowing the Boston Arboretum as well as I do I would like to draw special attention to the remarkable collection grown there and the great facilities it offers for people to learn what are the most beautiful shrubs to plant and which will succeed in this climate.

How to Start a Garden.

In laying out and planting a garden it is a very much better plan to go to such a wonderful Arboretum as this and make one's own notes of the shrubs which will succeed in different situations, than to leave the selection to others. One of the principal reasons why so many shrubberies are un-

interesting today is because of the constant repetition of a few well-known sorts and yet there is a great variety of inexpensive material which can be seen at any good nursery which by a judicious selection will add much interest and distinction to a garden. In making a choice it should be remembered that there are other shrubs than those remarkable for the beauty of their flowers deserving of inclusion. In some, such as the Rhus family, the foliage is very ornamental; others whose flowers may be inconspicuous attract much attention when carrying beautiful fruit; some are most noteworthy when their green mantle has changed to various shades of crimson or gold in the autumn, and others are again desirable on account of their richly colored stems in winter. Many persons in making a selection are apt to attach too much importance to coniferous and other evergreen shrubs, and although I am fully aware of their value when used with discrimination, there can be little doubt that they have been overdone in the past.

Shrubs that Blend Well.

To produce the most pleasing effects both evergreen and deciduous shrubs must be happily blended, but it should be borne in mind that deciduous shrubs are much more beautiful, less expensive, and give the most satisfactory results. In selecting material for the planting of an ornamental shrubbery, whether one has a limited area or unrestricted space, it should be borne in mind that one need not be confined to shrubs only of a bushy nature, for while they form the basis of a shrubbery, others grown as standards or half-standards may be employed with excellent results. A very pleasing method of growing many of the hardy climbers such as ornamental grapes and roses is to firmly insert a stout pole into the ground, leaving ten to twelve feet above the surface and lightly nailing or tying the long shoots of the climbers to it. The pole soon becomes completely covered. If varieties of sufficient hardiness are employed so that no taking down or covering is required they will need little attention beyond tying up the new growth.

The pole should be sunk into the ground three or four feet so that the frost will not loosen it, and the buried part should be well treated with creosote or tar, which will preserve it for many years in good condition. A good straight larch or cedar pole answers well for the purpose. Many varieties of shrubs are now obtainable in standard form, such as the following: Crabs, thorns, maples, particularly the handsome Japanese varieties, and many others which by proper method of pruning are amenable to this form of cultivation.

Pick the Sunny Spots.

All hardy shrubs, except those which are naturally more at home beneath the shade of trees, succeed best in an open sunny position where they receive the full benefit of light and air, and this is particularly true of those grown for their floral beauty. It is im-

portant therefore to select if possible a position which while being sheltered from rough and cold winds, is fully exposed to the beneficial influence of the sun. This enables the wood of the current season's growth to become thoroughly ripened and consequently much better able to pass through the winter without harm. Having selected the position it is of paramount importance that the ground be properly and thoroughly prepared, first by seeing that it is well drained, as very few shrubs will succeed in a water-logged soil, and then by having it well broken up to a depth of at least two feet. If the soil is naturally very heavy it is a good plan to freely incorporate decayed leaf mould and sand, but if very light and dry in character nothing is better than a good heavy loam. Well decayed manure will prove of much benefit to the shrubs if it can be worked deeply into the ground, otherwise I do not advocate its use. All hardy shrubs will succeed in a loamy or peaty soil providing it is well drained and deeply worked, but it may seem to some that it is quite unnecessary to prepare it so deeply as I have advised. It is, however, highly important, even if the expense is somewhat larger, for the difference between shrubs planted in ground which has been properly prepared and those in poorly worked soil is quite remarkable, and no one will question the advisability after seeing the results.

(To be continued)

DARWIN TULIPS FOR WINTER FORCING.

The adaptability of the Darwin tulips for winter forcing is only now coming to the knowledge of many of the commercial plantmen. The gardeners on the private estates, in this as in many other items now generally adopted as standard goods for the trade florist, have been the first to demonstrate their value as subjects for winter forcing, for pot plant use or for cut flower purposes. It is now well proven that quite a few of these Darwin tulips may be readily forced and the beautiful variety William Copeland shown in our cover illustration is one of the best of its class and the one most in use in England where it is forced by the hundred thousand. In color the flowers are bright violet, and as with all the representatives of this class, the stems are invariably long even when brought into bloom in January. The Darwin tulips afford a wide selection of unusual and beautifully illumined art shades, appreciation for which has only begun, but it will not take long before they will largely supercede in popular favor the garish flaunting colors of the tulips hitherto used for winter forcing. We are indebted to R. & J. Farquhar & Co., for the beautiful photograph from which our engraving was made.

Lexington, Mass.—Hon. Augustus E. Scott has made a gift of 25 acres of beautiful meadow land to the town of Lexington for park and playground purposes.

A BOSTON ORCHID GROWER

J. T. Butterworth of Framingham, Mass., grows orchids for the Boston market. A sincere and earnest lover of plants, Mr. Butterworth personally cares for every one of his twenty thousand orchid plants. He was one of the first to grow orchids in quantity for commercial use in New England and as a little touch of personality we might add that M. Norton, an old time Boston florist, was Butterworth's first customer. The first house on the place was built in 1848, by C. J. Power, the original owner. This was a lean-to affair against the side of a barn, which stands today, a fitting demonstration of the remarkable progress in greenhouse construction since that time. There are now twelve houses, most of them built since Mr. Butterworth came into possession, about sixteen years ago. He served his apprenticeship in England, came to this country in 1888, worked in Stoughton for some time, became manager for C. J. Power and finally bought over the business.

Not only the stock, but the houses themselves are of interest. All but two are old-fashioned, with small panes, heavy, thick wood-work, and replete with encumbrances and appliances that make the modern house a veritable palace in comparison. But, as Mr. Butterworth says, "each man is the architect of his own fortune," and with the tools in his possession, he has carved out for himself an enviable reputation for fine orchids. In reference to interesting houses, we noted one which formerly



J. T. BUTTERWORTH.

grew roses and which in its time was the largest house in the state, built 35 years ago. In its present condition it runs north to south, but when first built it ran east to west, and in moving not a pane of glass was broken. Hot water is still used to heat the range.

Very little importing is done here, as Mr. Butterworth is almost a crank on efficiency and conservation. The weak looking odds and ends accumulated in repotting from time to time are seldom thrown away. With infinite patience and guided by the intuition acquired in life-long acquaintance with plants, all of these are nursed back to healthy, virile life. Thus, very few orchid plants are imported from South America and through this practice some fine strains have been selected, which today are to be found nowhere else.

Speaking of importing—Mr. Butterworth states that the importation of *Cattleya labiata* is slowing up rapidly, due to the thousands of plants that have been sent to this country in response to public demands. Collectors are finding good specimens exceedingly difficult to secure. In his opinion *C. Mossiae* outclasses all other cattleyas for beauty and quality, but because of its habit of blooming in April it fails to take advantage of the mid-winter demand.

Orchids are not the only crop grown here, as everything else but roses and violets can be seen in the range. The two newest houses, one of them a Hitchings, contains carnations, the chief varieties being Pink Delight, White Wonder and Mrs. Cheney. A big retail business is done direct from the greenhouses, although much of the product finds an outlet in the wholesale markets in Boston.

S. L. F.

SOME LONG ISLAND GROWERS

Among the prosperous plant growing establishments of Long Island none yield greater pleasure to the visitor than that of A. L. Miller at Jamaica. It is an extensive place and things are done well there but what counts for as much or more is the genial, frank personality of its proprietor. The popular president of the Plant Growers' Association is, indeed, a "shining light" among that alert and thrifty fraternity. Mr. Miller has seventeen houses in all and they are largely filled with Easter plants. Well ventilated cool sheds for storing and retarding and six autos and trucks for delivery purposes complete an outfit well equipped for the wholesale plant trade. The great advance made in recent years in color and size of bloom of *Primula obconica* is well in evidence in the large stock seen here. Daisies—the old-fashioned and still the best, marguerite, are a very extensive crop and, of course, there are lilies, hydrangeas, azaleas and Rambler roses in abundance. Among the more uncommon things are some lovely Japanese cherries, *calycanthus* and *Viburnum Carlesii*. In the pot-rose houses are entire benches of American Beauty grown to bush form which will be well worth a visit very soon. For St. Patrick's Day large quantities of shamrocks are grown in tiny pots.

Most of the ground in the 17 acres is devoted to conifers and other ornamental nursery stock but on account of the encroachment of a proposed park reservation and boulevard the nursery department will in time be removed to a 25-acre farm a short distance away.

G. Peters & Sons have a splendid range of carnation houses at Hempstead. There are no less than 75,000 plants all told, of which 18,000 are in one large double house with gutters elevated 10 ft., which seems to be well liked by the carnations for they are very fine. Enchantress and Enchantress Supreme have been blooming profusely since Christmas without any let-up and a very heavy crop is indicated for Easter.

Rowehl & Granz at Hicksville have one of the most admirable locations for a florist business. The land is naturally very rich and perfectly level. They have a fine carnation range which they propose to enlarge to a considerable extent in the near future and the place is just suited for this purpose. One of the carnation houses is 67 ft. by 125 ft., and very lofty, having been erected over four older houses while the latter were standing, the original benches being continued in

use after the old houses were demolished. Messrs. Rowehl and Granz are brothers-in-law and they make an enterprising and aggressive business team, already widely known to the trade generally.

Charles Weber's place at Lynbrook is known everywhere as "The Home of Laura Weber." Anyone interested in a good new carnation will find Laura Weber here in all her glory. Mr. Weber strongly advises growers against the use of a certain advertised special plant food which he believes to be responsible for a big loss in split carnation blooms this season.

M. Matheron at Hempstead has a very promising rival for carnation Beacon which he has named Champion. It is a tremendous grower and the color is dazzling.

Lord & Burnham houses seem to be the rule in all the places above mentioned.

Feb. 26, 1915.

Horticulture Publishing Company:
Enclosed are two dollars in payment for your very valuable paper. I find its contents timely and instructive.
Sincerely,

Conn.

C. S.

Clubs and Societies

AMERICAN ROSE SOCIETY.

Sixteenth Annual Exhibition, March 18 to 21st inclusive in conjunction with the Massachusetts Horticultural Society.

The fine hall of the Horticultural Society is the place of meeting. There promises to be some choice exhibits. Massachusetts has a local pride in this work, and local people are doing their best to make a fine showing. On Thursday, March 18th, by noon time, the pots and tubs will be staged; the next day, Friday, the cut blooms.

The schedule committee, Messrs. Louis J. Reuter, Alexander Montgomery and Thomas Roland, have done good work in fixing prizes; the special prizes are liberal. The final list, except for any additional prizes, is now distributed and the entry blanks are available. Secretary Rich of the Massachusetts Horticultural Society is giving all the aid and attention in his power to serve exhibitors.

The manager of the Rose Society's exhibits is Eber Holmes of Montrose, Mass. The manager of a rose show always has a job ahead, and so far the men who have acted in this capacity have made all things satisfactory to exhibitors and the interested public. Mr. Holmes will do that.

The annual membership dues are being paid well. There is a free ticket to all members. The election of officers will be an important event, also deciding where the show shall go next year. Philadelphia has spoken for it.

BENJAMIN HAMMOND, Sec'y.

Beacon, N. Y.

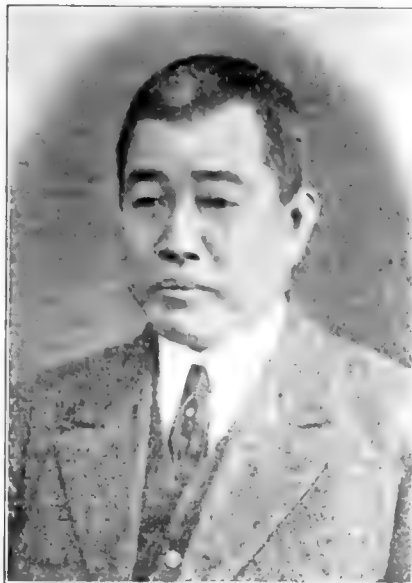
CHICAGO FLORISTS' CLUB.

The Chicago Florists' Club held its regular monthly meeting on Monday instead of Thursday in order to meet socially the out-of-town florists here for the Directors' meeting of the S. A. F. After a short business session the meeting was turned over to the entertainment of the twenty or more visitors. E. G. Hill was called to the chair and after the luncheon, served as toastmaster in his own happy manner. Responses were made by President of the S. A. F., Patrick Welch, Irwin Bertermann, C. E. Critchell, R. C. Kerr of Texas, Herman Bartsch of Boston, Past President Theodore Wirth, Wm. F. Kasting, Alois Frey, August Poehlmann, Geo. Asmus and others.

FLORISTS' AND GARDENERS' CLUB OF RHODE ISLAND.

This club held its annual banquet and installation of officers in Swarts Lodge Hall, Providence, Tuesday evening, March 2, about 50 members being present to participate in the festivities. During the evening an entertainment was given by Benjamin Whittaker, pianist; John Canning, Philip F. Lavery, John White and James Dillon. President Hartstra was the toastmaster and following the festivities the exercises were concluded with the singing of the "Star Spangled Banner." Secretary William E. Chappell was unable to attend and Robert Johnston filled the office. The committee of arrangements included Robert Johnston and Alexander Macrae.

H. SUZUKI



H. SUZUKI

The Yokohama Nurseries Company, with headquarters in Yokohama, Japan, and branches in New York and in London, England, is a business house of international repute, known to all those interested in horticulture

the world over. At the San Francisco Exposition, an exhibit of this firm is one of the striking horticultural attractions of that wonderful fair. Mr. H. Suzuki, whose portrait appears here, is the managing director and eldest surviving son of the founder of this great house. He visited this country and Europe some years ago in company of his father, and he has hosts of friends in many lands. The writer of this note during the year 1914 was brought much in contact with Mr. Suzuki, and enjoyed several trips in Japan in his company. I was deeply impressed by his practical knowledge of Japanese plants and their native habitats. Among Japanese horticulturists his knowledge of exotic plants is unique. On lilies, Japanese iris, azaleas, and on peonies, he is an acknowledged specialist. He is imbued with that profound love for plants which characterizes all successful cultivators and nurserymen. In business he is ably assisted by a competent staff, among whom is numbered his younger brother, who is now in this country.

A man of great executive ability and deep knowledge, a cheery, optimistic traveling companion, and a courteous gentleman is Mr. H. Suzuki; may good health ever attend him through a long and prosperous life.

E. H. WILSON.

NEW YORK FLORISTS' CLUB.

The next regular meeting of the New York Florists' Club will be on Monday, March 8th, at 7.30 o'clock P. M. Exhibits of roses are called for at this time. Flowers from a distance may be sent either to Max Schling, 22 West 59th street, New York, chairman of the Exhibition Committee, or in care of the Secretary, 53 West 28th street, New York. There will be a lecture by Prof. James Ross Lynch. Subject: Panama Canal—Description of the trip across the continent, via all routes, including the new Panama Canal route; seeing several points of interest, Yellowstone Park, the Grand Canon of Arizona, cities, etc., California, San Francisco and the Panama-Pacific International Exposition. Illustrated with stereopticon slides from actual photographs of the entire trip.

INTERNATIONAL FLOWER SHOW, MARCH 17-23, 1915.

This great exhibition which will be held in the Grand Central Palace, Lexington avenue and 46th street, New York, is now only about two weeks off and the outlook is that it will be successful from all points of view. The guarantors' list now amounts to \$6,800. Orders of space in the program received to date amount to \$1,700. Space reserved in the trade section amounts to \$7,400. If you are interested in securing space in the trade section, Do It Now!

An arrangement has been made whereby trade tickets can be bought

at the following prices: In blocks of 20 up to 100, at 25c. each; in blocks of 100 or more, 20c. each. Purchasers of 100 tickets or more may have their names printed thereon with the words "Compliments of."

JOHN YOUNG, Sec'y.

New Bedford Horticultural Society.

The regular monthly meeting of the New Bedford Horticultural Society was held Monday evening, March 1, in the Public Library building. It was decided to hold two shows this coming summer, the first to be a peony and rose show, the exact date of which is to be decided later. President Roy offered the H. C. Converse cup again for the six best chrysanthemums at the fall show and is to award a cup this year to the exhibitor taking the most first prizes during the year. A committee was appointed to arrange details for the annual banquet to be held shortly after Lent.

Mr. Young, landscape gardener, gave a very interesting talk, in which he suggested that all the small shows of the society should be general shows, allowing exhibition of anything in the line of horticulture and offering premiums to encourage the small exhibitors. The merits of the new St. Regis ever-bearing raspberry were discussed. Mr. Young said that with him this variety bore fruit from the middle of June till the last of November, but gave its largest crop during the early fall. He thinks that it will displace the old Cuthbert.

FRANK L. GRAY.

THE NEW FRENCH HYDRANGEAS

FOR SPRING SALES AND MEMORIAL DAY

Our stock is in prime condition, retarded dormant plants from 6-inch pots, in fine shape to flower for Spring Sales or for Memorial Day; any of the varieties described below at \$30.00 per 100.

Avalanche. A splendid large white with a well established reputation; an easy variety to force.

Bouquet Rose. Large trusses of rosy amber turning to bright pink; a favorite with all growers.

Dentelle. Entirely distinct, deeply fringed flower of a creamy white color.

E. G. Hill. Trusses of immense size, color a most pleasing shade of pink which does not fade; growth vigorous, foliage of a pea green color, large and attractive.

General de Vibraye. A favorite wherever seen; very large heads of bright rose colored flowers. A splendid early forcing variety.

La Lorraine. Very large flowers, pale rose, turning to bright pink; has become a general favorite.

Mme. A. Riverain. Superb bright rose color; very vigorous and floriferous.

Mme. E. Mouillere. Probably the most popular white variety on the market today; an early easy variety to force.

Mme. Maurice Hamar. A delicate fresh-rose color, a vigorous grower, the individual flowers as well as the trusses being very large.

Mlle. Agnes Barillet. A splendid white; flowers large and very freely produced.

Mousseline. A beautiful mauve-rose with cream-colored center; the flower heads are large and held erect; a fine acquisition.

Mont Rose. Immense panicles of clear-flesh rose, entirely distinct, one of the best very early flowering varieties.

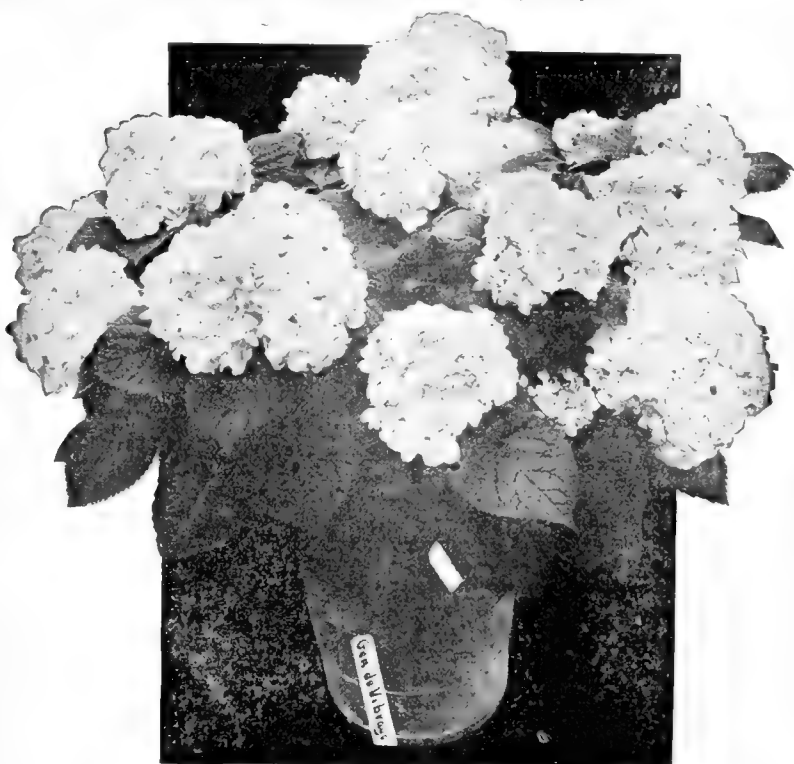
Ronsard. Flowers and trusses very large, of a beautiful rose-tint.

Souvenir de Mme. E. Chautard. One of the very best, of splendid erect habit, very robust, medium sized heads, of bright rose colored flowers; one of the very best of the Bouquet Rose type.

Senateur Henri David. Another splendid rose-colored variety, with red reflections; flowers produced in immense large heads; on the style of La Lorraine, but an earlier bloomer.

Vieux Chateau. Very large pure white, becoming suffused with delicate rosy carmine as they mature.

Hydrangea Oktaka. Dormant plants, 6-inch pots, \$25.00 per 100; 10-inch tubs, \$1.00 each; 12-inch tubs, \$2.50 each.



NEW FRENCH HYDRANGEA.

For full line of seasonable Plants, Bulbs, Seeds, Etc., see our current Wholesale Price List.

HENRY A. DREER, 714-716 Ches'nut Street, - Philadelphia, Pa.

The above prices are intended for the trade only.

OYSTER BAY HORTICULTURAL SOCIETY.

The regular monthly meeting of the Oyster Bay (N. Y.) Horticultural Society was held on Thursday evening, Feb. 25th. The exhibition tables were loaded down with splendid stock, there being seventeen entries for exhibition only, besides many entries for the monthly competition prizes. Jas. Duthie won all three of the latter. For exhibition only, the awards were as follows:

Jos. Robinson, cultural certificate for azalea; J. Ingraham, cultural certificate for callas, honorable mention for cattleyas; A. Lahodny, cultural certificate for Lilium formosum, honorable mention for larkspur and tulips; F. Kyle, honorable mention for Primula obconica; James Duthie, certificate of merit for Primula malacoides improved, honorable mention for cyclamen; H. Gibson, honorable mention for cucumbers and roses; Chas. Mills, thanks for string beans, roses and tulips; J. Sorosick, honorable mention for roses.

The Executive Committee presented preliminary schedules for the 1915 shows, which were accepted, and

SPECIAL OFFER

A limited quantity of GENISTAS, 4-in., 25c.; 4½-in., 35c.; 5-in., 50c. Very bushy, well set with buds; excellent stock for Easter.

PRIMULA Obconica. Out of 3-in. pots, healthy stock of choice colors, ready for 4½-in. pots, \$4.00 per 100.

A. L. MILLER, Sutphin Rd. and Rocka-way Blvd., Jamaica, N. Y.

copies may be obtained from the secretary.

ANDREW R. KENNEDY, Sec'y.

CONNECTICUT HORTICULTURAL SOCIETY.

It was a gorgeous sight that met the eye on entering the society's room in the County Building, Hartford, as John F. Huss, of Hartford, and George B. Baker, of New Britain, staged some twenty-four fine specimen cinerarias. The cactus cineraria was particularly attractive. The judges awarded the exhibit of Mr. Huss a first-class certificate, and that of Mr. Baker a cultural certificate, which was duly ratified by vote of the members.

We had with us on this occasion Maurice Fuld of New York, who gave a most interesting and edifying talk on roses. He addressed the amateurs particularly. The meeting did not adjourn until 10.30. The next meeting, March 12, will be "Carnation" night.

ALFRED DIXON, Sec'y.

CLUB AND SOCIETY NOTES.

The next regular meeting of the Cincinnati Florist Society will be held Monday evening, March 8, at the Hotel Gibson.

The St. Louis Florist Club promises for March 11th a carnation and novelty exhibition. The meeting, as usual,

will be held in the club rooms and the exhibition will be staged at the Windler wholesale market. Good cigars and refreshments will be served at the exhibition.

The Southampton Horticultural Society held its regular meeting on Feb. 18th at Southampton, N. Y. W. F. Jagger read a short but interesting article on Farmyard Manures and the soil, Mr. C. Trarkerbach, the local nurseryman read a paper on "Climbers for Piazzas" which proved to be most interesting and seasonable. The next meeting will be held in the same hall on March 4th, at 8 P. M.

S. R. CANDLER, Cor. Sec'y.

Gladiolus for Cash Buyers

Augusta, De La Mark and the best white and light mixture for florists, \$10.00 per 1000, first size, 1½ up; \$8.00 per 1000, second size, 1½-1½.

Little Blush (Childsii), Elaborate (Childsii), Princess, Pink Augusta, \$15.00 per 1000, \$2.00 per 100, 1½ and up.

Broncheyensis, heavy fat corms, not yet bloomed to death, \$10.00 per 1000, \$1.00 per 100, 1½ and up.

Guaranteed Sound and Well Cured

CASH WITH ORDER.

NO C. O. D.

ROWEHL & GRANZ
HICKSVILLE, L. I., N. Y.

MASSACHUSETTS AGRICULTURAL COLLEGE.


Students Visit Boston.

Under the guidance of Prof. A. H. Nehring, fourteen of the horticultural students at the Massachusetts Agricultural College, including nine of the Ten Week men, took a three days' instruction trip to Boston and vicinity last week. The first day, Thursday, included visits to three prominent growers at Framingham and to the Waban Rose Conservatories at Natick. J. F. Butterworth, the grand specialist, was the first man visited. Mr. Butterworth has been in business fifty years and it was with justifiable pride that he exhibited his valuable collection. He is using the oldest commercial greenhouse in Massachusetts, a plant to which was built in 1848, and he finds it admirably suited to cypripediums. When asked with what do you feed these plants, he replied in his characteristic way, "With brains, man, brains, nothing but brains." He emphasizes the fact that nothing is thrown away on his place. Calls were next made on S. J. Goddard, past president of the American Carnation Society, and on Wm. R. Nicholson. These men are carnation growers, especially, but they also raise minor crops. The best mignonette seen on the trip was at the Nicholson's.

The Waban Rose Conservatories proved to be the most extensive range the students saw. The plant consists of about thirty houses and comprises 300,000 square feet of glass. It contains the first steam boiler which was put in a greenhouse in this country. It is a Babcock & Wilcox, seventy-five horse-power, water-tube boiler which was installed in 1862. It is no longer used regularly but is now kept in reserve. The plant contains the first refrigerator for cut-flowers ever built in connection with a greenhouse establishment.

Friday was devoted to the markets, stores, and to private estates. A study of the methods of marketing and of the prices was made at the Boston Co-operative Flower Market and at the Boston Flower Market. At the latter, which is the largest exchange of its kind in this country, the product of one hundred and seventy-three establishments is offered for sale. During the remainder of the morning Penn's, Carbone's, Hoffman's and Galvin's two stores were visited, where flowers were seen on exhibition and floral pieces were seen in the process of making. A call was also made at the wholesale store of Henry M. Robinson & Co., and the afternoon was spent at Mrs. Brandegee's estate, the Faulkner Farm, and at Mr. Larz Anderson's country place, Weld Garden, Brookline, where the conservatories were inspected, following which the managers, Messrs. Craig and Finlayson respectively, conducted a tour over the estates, pointing out the important landscape features.

On Saturday the class went to Wm. Sim's at Cliftondale where excellent sweet peas and violets were seen. Mr. Sim was the first to erect greenhouses with high sides and to use wide houses for violets. The water for this range is raised by an electric pump from a drilled well 300 feet deep, at a cost of \$250 yearly, whereas the cost from the city supply was formerly \$1,000.



SWAS-TEEKA BRAND CANNAS

ARE SHIPPED FROM SOLID CLUMP DIVISIONS

Orders Boxed Only as Shipped

All our Cannas are brought from the field and placed in the storage house first, ready to be boxed as ordered. When your order comes, the clumps are carefully divided and each division is inspected. If solid and perfect in every way, it is trimmed up neatly and packed for shipment. All of which means that every Swas-Teeka canna root you buy of us is in the finest of condition when shipped.

No shriveled up "prune faced" ones.

We have 197 varieties for your selection. 57 of them are Wintzer's own production. By way of suggestion, here is a 200 lot assortment, which is particularly good.

200 TRY OUT OFFER \$5.00

25 each of these eight kinds, and EACH A STANDARD IN ITS COLOR CLASS

<p style="text-align: right; margin: 0;">Per 100</p> <p>Loveliness, 3 ft., Carmine Pink \$5.00</p> <p>Brilliant, 4 ft., Strong yellow, red throat 3.50</p> <p>Patrie, 4 ft., Solid red 3.00</p> <p>Philadelphia, 3 ft., dwarf pink 2.00</p> <p>Venus, 4 ft., variegated pink 3.00</p> <p>California, 4 ft., pure orange 3.00</p>	<p style="text-align: right; margin: 0;">Per 100</p> <p>Wyoming, 7 ft., orange, bronze leaf 2.00</p> <p>King Humbert, 4 ft., standard bedder 3.00</p>
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Order by the hundred or by the set.
F. O. B. West Grove, Pa.

75 IN 3 SUPERIOR SORTS FOR \$7.50

<p style="text-align: right; margin: 0;">Per 100</p> <p>Kate F. Deemer, 4 ft., the best yellow 10.00</p> <p>Mrs. Alfred F. Conard, 4 ft., the best pink 10.00</p>	<p style="text-align: right; margin: 0;">Per 100</p> <p>Meteor, 5 ft., the best red \$20.00</p> <p>25 of each above, 75 in all, for \$7.50, or 12 each, 36 in all, for \$4.00. F. O. B. West Grove, Pa.</p>
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THE CONARD & JONES CO.

SWAS-TEEKA BRAND CANNAS West Grove, Pa.

Calls were also made at Thomas Roland's two ranges, one at Revere and one at Nahant. At Revere there were seen three large houses. One was devoted to 15,500 rose plants, another to sweet peas, and the third and newest house, 75x650 feet, though built for roses, was being prepared for open ground cultivation of 10,000 tomato plants. Two two-horse plows were in operation at the time, one a subsoiler following in the furrows of the other and incorporating manure. At the Nahant establishment were found the biggest collection of acacias in this country and the famous collection of ericas. The manager, Mr. Ringdahl, pointed with legitimate pride to the Erica melanthra which won the gold medal at Boston and New York and also a \$100 prize. Here were houses devoted to excellent cyclamen, ramblers, and other plants. One house contained an array of 40,000 cuttings of Glory of Cincinnati begonia. But most interesting were the ericas and acacias.

One of the most impressive features of this valuable excursion for the students was the warm reception afforded by the different masters of floriculture. In every case attention was cheerfully given to the invading horde and the magnanimous spirit of these men, who by their success in their honorable calling commanded the respect of the prospective florists, was much appreciated by the entire class.

J. A. TUFTS, JR.

The Department of Floriculture announces a series of special lectures on

March 16th and 17th in connection with Farmers' Week. The program will be as follows:

TUESDAY, MARCH 16.

- 1.30 P. M. Selection and Care of House Plants. F. E. Palmer, Brookline, Mass.
- 2.30 P. M. Garden Planning. P. H. Elwood, Jr., M. A. C.
- 3.30 P. M. The Use of Annuals in the Garden. E. J. Canning, Northampton, Mass.

WEDNESDAY, MARCH 17.

- 9.10 A. M. Trees and Shrubs for the Home Grounds. A. K. Harrison, M. A. C.
- 10.10 A. M. Diseases of Floricultural Plants. A. J. Anderson, M. A. C.
- 11.10 A. M. The Culture of Herbaceous Perennials. Maurice Fuld, New York City.
- 1.30 P. M. Outdoor Rose Culture. Eber Holmes, Montrose, Mass.
- 2.30 P. M. The Forcing of Plants. Ernest Downer, Northampton, Mass.
- 3.30 P. M. Question Box. A. H. Wingett, Lenox, Mass.

On these dates a Spring Flower Show, occupying the entire first floor of French Hall, will be held.

For further information write the Department of Floriculture, M. A. C., Amherst, Mass.

In preparing for its rose festival, the city of Portland, Ore., has commenced a large planting. The campaign was started by the City Beautiful Committee of the Rose Festival Association, and has found strong popular support. With the co-operation of the florists, about 100,000 rooted plants were distributed February 22, all varieties being sold at 12½ cents each, and it is expected that most of them will be in bloom during the festival next June.

EUROPEAN VICISSITUDES.

The many friends of Denaiffe & Son, seed growers, Carignan, France, will be pleased to hear that since the capture of Carignan, on the 30th of August last, no damage has been done to the town, and that the Denaiffe farms, their warehouses and other properties are uninjured and in perfect condition. Henry Denaiffe, the head of the firm, who was disbarred from military service by reason of age, has remained at Carignan. But his two sons, both members of the firm, are in the French army. John Colle, the eldest, sergeant in the 120th regiment, was unfortunate to be badly wounded by a bullet through the thigh, at the battle of Belle Fontaine on August 22, was taken prisoner, and now recovered from his wound, is interned at the prisoners' camp near Magdeburg, Prussia. Maurice, the other son, who made a tour of America, five years ago, is serving as aid to the military Governor of Ardennes, the department which includes nearly all the section of Northern France now occupied by the German army. His military duties take him from one city and town to the other; he is constantly on the go. His automobile record, since the war began is now over 40,000 kilometers, which will interest automobilists. His military experiences have been so thrilling that he is contemplating writing a book of his adventures, when the war is over. He has witnessed some very horrible and heartrending scenes. Twice he was nearly captured by the enemy and three different times he has been close to death by the explosion of shells around his automobile. Two nephews of Henry Denaiffe were killed in battle.

HOW THEY FEEL ABOUT IT IN SURREY.

The following extracts are from a personal letter dated Egham Surrey, Jan. 20th.

"Today everybody is talking about the Zeppelin raid on Yarmouth and asking querulously 'Where is our navy and what is it doing?' To one of these pessimists I said 'where did you get your average from this morning?' He was the average man in the street and it took some moments for the light to penetrate his mental haziness. Depend upon it, this war will be decided by what that fine old Aberdonian, Dugald Dalgethy, called 'prudent.' Sir Edward Grey the keenest intellect in Europe, will see to that. Some time ago I was at a dinner in London where the table decorations were mostly Lillium Harris, and one of the speakers, a learned botanist, began to descant on lilies in a very impressive manner. Immediately I could see William K. Harris bowling at the Florists' Club of Philadelphia, also yourself, and the McCallum More; and John Westcott, Jack Dunham, and his dapper little lawyer friend; also John G. Gardner and a host of others. Suddenly I was asked to come out of my trance and say something, which I promptly did and confined myself to Lillium Harris and its introducer and his characteristics.

For the rest of the evening the great authority on lilies entertained a higher opinion of me than I really deserved but when he interviewed me I thought it wise to talk about Roumania and Transylvania and the war, for I was well aware that my knowledge of the lily family was only of an excursionary character. Mr. Harris died shortly after my leaving your midst but as long as the lily grows, William K. will live. . . . My retreat is between Broadstairs and Margate. It is close to the North Foulard Lighthouse and is an

WAR DOES NOT STOP

The European Nations from Planting Bolgiano's World Famous Tomato

"JOHN BAER"

EVERY DAY WE ARE RECEIVING NUMEROUS ORDERS FOR THIS WONDERFUL TOMATO FROM THE WAR ZONES. PROGRESSIVE, PROSPEROUS FLORISTS, NURSERYMEN, HORTICULTURISTS, FARMERS, MARKET GADENERS AND HOME GARDENERS, IN BOTH EUROPE AND THE AMERICAS, ARE RECOGNIZING THE GREAT VALUE OF

THE EARLIEST AND BEST TOMATO ON EARTH

Produces Perfect, Solid, High Crown, Beautiful, Brilliant Deep Red Shipping Tomatoes in 30 days from Large, Strong, Well-Matured Plants, in Veneer Bands with Roots Undisturbed. Pkts., 50c.; ¼ Oz., 75c.; Oz., \$2.00; ¼ Lb., \$7.50; Pound, \$25.00. 1-3 off to the Trade.

1st—"John Baer" Tomato produces large, beautiful, solid shipping Tomatoes in 30 days from large, strong, well matured plants grown in Veneer or Paper bands, with roots undisturbed.

2nd—"John Baer" Tomato produces the most perfect High Crown Tomatoes ever grown, entirely free from core.

3rd—"John Baer" Tomatoes produce an enormous crop of Tomatoes, 50 to 100 fruit to each plant.

4th—Every "John Baer" Tomato ripens evenly, right up to the stem.

5th—No cripples, no scalds, no blight, no cracked, no wrinkled, no one-sided, uneven, scarred fruit. When dead ripe "John Baer" Tomato will not burst.

6th—"John Baer" Tomato has a wonderful glistening brilliant, bright red color.

7th—"John Baer" Tomato has a mild deliciously sweet flavor. The finest flavor you have ever tasted.

8th—"John Baer" Tomato is almost seedless, it requires 6 to 8 bushels of "John Baer" Tomatoes to make one pound of seed, a marvelous Stem Setter, often ten fruit in first cluster, solid and meaty.

9th—"John Baer" Tomato has just enough foliage—will stand plenty of manuring without going to vine. Set plants 3 x 3 ½ feet.

10th—"John Baer" Tomato is the most perfect shipping Tomato ever grown—24 fruit exactly fill a six carrier basket.

11th—Each beautiful "John Baer" Tomato weighs about 6½ ounces.

12th—"John Baer" Tomato Seed was saved only by John Baer, the originator, who personally selected and picked every Tomato from which he saved this seed, selecting only the most beautiful, perfect fruit of the Early Stem Set Clusters.

13th—"John Baer" Tomato is the offspring of two marvelous Tomatoes—One Great Specialist having devoted 10 years in selecting and improving one parent and Another Expert devoted five years in selecting and improving the other parent. The "John Baer" Tomato is, therefore, the result of Fifteen Generations of Improvement and Selection for earliness, quality, shape, fruit, color and shipping quality.

14th—As a packing Tomato "John Baer" is a miracle, they all pack Fancy, no seconds, and all pack whole. Peelers can prepare three bushels "John Baer" Tomatoes to one bushel of any other Tomato. Being such a tremendous yielder, a bushel of "John Baer" Tomato can be gathered in one-third the time of any other Tomato. A large Baltimore Tomato Packer had all the "John Baer" Tomatoes he could secure packed separately, running them through a special process for his fanciest trade and his own private use.



"JOHN BAER" TOMATO
The Earliest and Best Tomato on Earth

1818 — J. BOLGIANO & SON — 1915

ALMOST 100 YEARS SELLING TRUSTWORTHY SEED

Growers of Pedigree Tomato Seed

BALTIMORE, MD., U. S. A.

old smugglers' village with caves and underground passages made by those real Free Traders. There is a church and also an inn—both of which are alike in one respect, as they both dispense spiritual comfort. I know because I have tried both. The church is just eight and one-half yards from the inn. You see I am still an accurate authority on points of great importance—as becomes my early legal education which I have never used. . . . I can still do my twenty-mile walk and occasionally when going along a country lane I think of my walks from Ardmore to Wayne and sometimes "King of Prussia." That name on the inns here is now conspicuous by its absence!

The above letter is from Stewart Barclay Lohman, a famous English cricketer, well known to the horticultural fraternity around Philadelphia. These extracts will interest and amuse many of his old friends who are readers of HORTICULTURE and I hand them along solely for that purpose and hope that by so doing I am doing nothing to fracture this country's steel-clad neutrality!

G. C. WATSON.

PERSONAL.

Philip A. Bayer, formerly at Newark, N. J., has accepted a position with Hobart J. Parks, Highland Farm, Portchester, N. Y.

N. F. McCarthy of Boston is in St. Georges, Bermuda, for a month's rest and recuperation before the opening of the strenuous spring plant auction season.

Aug. C. F. Obermeyer, Jr., who has worked in greenhouses through the west and for the past five years has been with R. W. Allen, whose death was Jan. 10, 1915, has now accepted a position with Leon Hathaway as foreman and will have charge of all the design and floral work and also the green houses, 13 in all, which Leon Hathaway has just purchased of the R. W. Allen estate.

SEED TRADE

AMERICAN SEED TRADE ASSOCIATION

Officers—President, **Lester L. Morse**, San Francisco, Calif.; First Vice-President, **J. M. Lupton**, Mattituck, L. I.; Second Vice-President, **E. C. Dungan**, Philadelphia, Pa.; Secretary and Treasurer, **C. E. Kendel**, Cleveland, O.; Assistant Secretary, **S. L. Willard, Jr.**, Cleveland, O.

New Method for Fumigating Imported Seed.

A satisfactory method for destroying injurious insects in imported seed without affecting the value of the seed has been used by the United States Department of Agriculture, and is described in a new bulletin (No. 186) entitled, "A Method of Fumigating Seed." Interested individuals who apply to the Department at Washington, D. C., will be sent the bulletin.

In the new method, the infested seed is placed in a chamber in which a partial vacuum has been created. The chamber is then filled with a very deadly gas—hydro-cyanic acid—which penetrates more effectively into the seed, because of the previously created vacuum. It has been found that a considerably shorter exposure was necessary in using this method of fumigation than in the usual method. The bulletin describes the experiment completely, giving details and illustrations of the chamber used in the experiment.

Hydro-cyanic acid is, of course, a most dangerous poison and should not be handled by any except those who are thoroughly familiar with it. Another gas—Carbon bisulphide—is to be used by the department in a similar experiment, the results of which will be announced later.

"Pork Bar!" Congressmen.

The House of Representatives in Washington, Jan. 26th, threw to the sparrows the price of a couple of companies of infantry, or coast artillery for the defence of some great port, when efforts to eliminate from the agricultural appropriation bill the indefensible item for the distribution of free seeds were defeated by the supporters of this petty congressional prerogative. For another year, at least, a sum in excess of \$250,000 will be squandered on this, the cheapest of all the cheap practices of which the national lawmakers are guilty. The pages of the Congressional Record are filled with convincing arguments establishing the folly and extravagance of the free seed system, but a majority of the small fry of Congress is invariably mustered to perpetuate the custom. Of no agricultural value whatsoever, since the seed distributed are of the commonest varieties, and given in quantities too small to be of practical use to any save back-yard and window-box farmers, the little packages are designed wholly for the consumption of those for whom the something-for-nothing idea has an irresistible appeal. Picayunish though they may be individually, the packages of early sweet corn and climbing nasturtiums are, in the aggregate, a heavy burden upon the treasury, and their distribution should be discontinued. It is significant that the principal advocates of free seed are the very gentlemen who ordinarily have the most to say about "Democratic economy," who cheerfully

vote millions for tribute but not one cent for defence. Scratch the average defender of the free seed perquisite and nine times out of ten you will find a little navy "pork bar!" congressman.

Boston Transcript.

A Pleasant Recognition.

The Henry F. Michell Co. are daily in receipt of compliments for their seed book of this year—the finest they have ever issued, and which celebrates their 25th anniversary. The following from one of their European correspondents is a sample.

Arnhem, Holland, January 26th, 1915
The Henry F. Michell Co.,
Philadelphia, Pa., U. S. A.
Gentlemen:

We received in due time your favor of the 5th instant and the copy of your catalogue has also come to hand. We are very much pleased with it and beg to tender you our best thanks for thinking to mail us a copy.

It behooves us to offer you our sincerest congratulations on the 25th Anniversary of your firm's existence, and to express the hope that, as time passes on, the "silver" copy may be followed by a "golden" one.

The history of the firm, as written by Mr. Watson is in itself a prophecy that this business, conducted by so competent leaders who have caused it to grow so wonderfully and rapidly will, with another 25 years of life added to the first quarter of a century, give the historian of the future a grateful work to do by adding another brilliant page to the firm's history. Our mutual friend, Mr. George C. Watson, is just the man to write a history like this. No friend of exaggerating things, he lets facts speak for themselves, and in your case they require no embellishment. May he be the author of the history of the 50th Anniversary of your firm, too!

Yours very truly,

(Signed)

DARENBERG, BURGERS & Co.

A New Seed House.

One of the latest ventures in the seed trade has been launched recently at Canton, O.—the Holmes-Letherman Seed Co. at 126 North Cleveland Ave. Mr. Holmes is a son of H. L. Holmes, a Pennsylvania seedsman, and Mr. Letherman is a local capitalist of Canton. The company's first catalogue is a beauty; also practical and to the point. We hear that business with the new firm to date has been excellent, and away beyond expectations. Congratulations are in order and are hereby cordially extended.

G. C. WATSON.

Notes.

The value of horticultural imports into New York for the week ending February 20, 1915, is given as follows: Manure salt, \$36,088; nitrate of soda, \$141,447; fertilizer, \$31,143; guano, \$1,653; clover seed, \$98,718; grass seed, \$67,996; trees and plants, \$42,448.

The testimonials which we have seen, prove beyond question or doubt that we do not have to depend upon foreign sources for a tomato that possesses all the desirable qualities. "John Baer," advertised in this paper by an American house of irreproachable character, fills the bill better than any that are being exploited by foreign advertisers in other mediums. Don't bother with them until you have given John Baer a trial.

SPIRAEAS FOR EASTER FORCING

Per 100
Astilboidea Floribunda, white..... \$5.00
Japanica, white..... 5.00
Queen Alexandra, pink..... 7.00

W. E. MARSHALL & CO., BULB IMPORTERS
166 West 23d St., New York

HEADQUARTERS FOR PLANT STAKES

For Staking Easter Plants

HYACINTH STAKES (Wood)

	Dyed Green	1000	5000	10,000
12 inch	\$1.00	\$4.25	\$7.75	
18 inch	1.35	6.25	11.75	
18 inch (heavy), 7/32 in. diameter.....	2.50	11.25	21.50	

CANE STAKES

	500	1000	5000
Southern, 8 to 9 ft., best quality.....	\$3.25	\$6.00	\$27.50
Japanese, very thin, about 6 ft. long.....	2.75	5.00	22.50
Japanese, dyed green, 3 ft. long.....	3.00	5.50	
Japanese, dyed green, 4 ft. long.....	3.75	7.00	

Unpainted Stakes or Dowels

	100	1000
24-in. long, 3/4-in. diameter...\$0.50	\$4.00	
24-in. long, 3/4-in. diameter..	.45	3.75
36-in. long, 3/4-in. diameter..	.65	5.25
36-in. long, 3/4-in. diameter..	.65	5.25
36-in. long, 3/4-in. diameter..	.65	5.25
42-in. long, 3/4-in. diameter..	.75	6.00
42-in. long, 3/4-in. diameter..	.75	6.75
42-in. long, 5/8-in. diameter..	.75	6.00
42-in. long, 5/8-in. diameter..	.75	6.00
The above dyed green, 10c. per 100 or 50c. per 1000 additional.		

FANCY LEAVED CALADIUM BULBS

Our list is composed of 10 of the best named sorts, covering a wide range of colors.

Named Sorts. 15c. each; doz. \$1.75, \$12.00 per 100.

Mixed Varieties. 15c. each; doz. \$1.50, \$10.00 per 100.

Also all other Seasonable Bulbs, Seeds and Supplies for the Florist.

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"SEEDS WITH A LINEAGE"

Seeds with a generation of finest flowers and vegetables back of them—carefully selected—really tested.

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CARTER'S TESTED SEEDS, Inc.
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MY NEW LIST OF

Winter Spencer Sweet Pea Seed

Has been mailed. If not in your hands now, send a postal for it.

ANT. C. ZVOLANEK
Lompoc, Cal.

It is our BUSINESS to supply you with

SUPERIOR GLADIOLI

JOHN LEWIS CHILDS
FLOWERFIELD, L. I., N. Y.

ONION SEED, ONION SETS

We are extensive growers and dealers of Seed and Sets. All our stock is first-class quality. Write for prices.

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SEEDS FOR PRESENT SOWING PLANT NOW!

ANTIRRHINUM

MARGUERITE CARNATIONS

SALVIAS

PETUNIAS

VERBENAS

Write for a copy of our 1915 Catalogue

R. & J. FARQUHAR & CO., 6 So. Market Street
BOSTON, - MASS.


LILY OF THE VALLEY FOR EASTER FLOWERING

From our own cold storage plant
— IMMEDIATE DELIVERY —**\$2 per 100; \$18 per 1000**Also we specialize in Asters, Sweet Peas, Cyclamen, Primula,
Lilium Giganteum

See Our Florists List Mailed on Application

FOTTLER, FISKE, RAWSON CO., THE SEED STORE BOSTON
Faneuil Hall Square
Braslan Large wholesale growers of ONION, LETTUCE, CARROT, RADISH, PARSNIP,
PARSLEY, CELERY, ENDIVE, LEEK, SALSIFY and SWEET PEAS.
Seed Growers
SAN JOSE, CALIFORNIA
Company

Write for 1915 Contracting Prices

PEAS, BEANS, RADISH } Growers for the Trade
and all Garden Seeds }
LEONARD SEED CO.
226-230 W. KINZIE STREET, CHICAGO ONION SETS
Write for Prices

GLADIOLUS

	100	1000
Blushing Bride	- \$0.75	\$6.00
Peach Blossom	- 1.00	8.00

A. HENDERSON & CO.

300 RIVER STREET, CHICAGO

BURNETT BROTHERS

Importers and Growers of

SEEDS, BULBS, PLANTS, &c.

98 Chambers Street, New York

**California Seed Growers
Association, Inc.**
J. W. Edmondson, Mgr. M. W. Williams, Sec'y
Growers For Wholesale Dealers
SAN JOSE CALIFORNIA
Seedsmen requiring the very best
selections of

Garden Seeds

(VEGETABLE AND FLOWER), especially

Kelway's Celebrated English Strainscan get them at lowest independent whole-
sale rates by sending their orders direct to**KELWAY & SON**

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LANGPORT, 8, MERSET, ENGLAND

Special quotations on application

Place your order now for Ayres' Winter
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SWEET PEA SEED

S. BRYSON AYRES CO.

"Renowned Sweet Pea Specialists"

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mention **HORTICULTURE**.

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we are able to supply below the
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BEGONIAS, ANTIRRHINUMS,
STOCKS, LOBELIAS,
VERBENAS, ETC.**THOS. J. GREY CO.**

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GARDEN SEED

BEET, CARROT, PARSNIP, RADISH and
GARDEN PEA SEED in variety; also other
items of the short crop of this past season,
as well as a full line of Garden Seeds, will
be quoted you upon application to**S. D. WOODRUFF & SONS** 82 Dey St., NEW YORK
and ORANGE, CONN.

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FOR FLORISTS

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Prepaid to Your Door

1 Gal. Can...	\$10.50	½ Gal. Can...	\$5.50
258 Sheets Paper.....			7.50
144 Sheets Paper.....			4.00

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Burpee's Seeds PHILADELPHIA

BLUE LIST OF WHOLESALE PRICES
MAILED ONLY TO THOSE WHO PLANT
FOR PROFIT.

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611 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

*Cost of Packing Foreign Deliveries
Must be prepaid*

Reference or cash must accompany all orders from unknown correspondents.
Cable Address, ALEXCONNELL.

G. E. M. STUMPP

761 Fifth Ave.

NEW YORK CITY

Member Florists' Telegraph Delivery Asso.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or Telegraph

2139-2141 Broadway, - New York

Telephone 1552-1553 Columbus

Established 1874

DARDS

FLORIST

M. E. Cor. 44 St. & Madison Avenue, N. Y. City
(Member Florists' Telegraph Delivery Asso.)

Flowers shipped on all Steamers. Special Correspondence in all the large cities of Europe and the British Colonies. Telegraph and Cable address Dardsflor

A. T. BUNYARD

NEW YORK

413 Madison Avenue at 48th Street.

Also Newport, R. I.

We Guarantee Satisfaction

MEMBER F. T. D. A.

Myer NEW YORK
609-611 Madison Ave.

Choicest cut flowers and designs for all occasions. Steamer and theatre flowers a specialty.

Member Florists Tel. Delivery. Wire Me Your Orders

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

FLOWERS delivered promptly in Buffalo, Niagara Falls, East Aurora, Lockport, Tonawanda, Lancaster and other Western New York cities and towns.

Palmers

304 Main Street
BUFFALO, N. Y.

Members Florists' Telegraph Delivery Association

S. A. ANDERSON

440 Main St., Buffalo, N. Y.

ANDERSON service means fresh, sturdy stock, and prompt deliveries in BUFFALO, LOCKPORT, NIAGARA FALLS and WESTERN NEW YORK.

Members of Florists' Telegraph Delivery.

Of Interest to Retail Florists**BUTTERFLIES FOR THE FLORIST.**

The increasing use of mounted and living insects in floral decorations has assumed an important aspect in the last few years. Few things will help so much to call attention to the flower shop as bright colored butterflies and moths fluttering about in the window or attractive mounted specimens pinned to corsages, bouquets, baskets or cards inserted in boxes. In every big city there is at least one florist who appreciates any touch of individuality and richness given to the tone of his establishment; he is the one who will make use of these dainty bits of Nature. They bring the wonderful beauty of Nature's works a little closer and the combination of these creations in the animal and plant worlds makes a very agreeable impression.

Mounted specimens of delicately colored insects are being used effectively in floral decorations where added natural effects are wanted. The setting of a butterfly on a basket piece, with wings outstretched, as if ready to flutter away, gives that exquisite air of refined natural grace that is the despair and delight of many a floral artist. The luxury-loving, beauty-worshipping class of flower buyers, those who are looking for new creations, novel combinations, and the genius that is the gift of but few in the florist trade, are willing to pay liberally for this added touch of something different.

We do a large business in baskets, and it is in the planning of new effects scores of times during the week that these butterflies and moths come to our aid. There is a great variety of color combinations to be found in these insects, therefore making the blends and contrasts with flowers infinite. Pinned to the handle of a basket, with wings outspread, the effect of a well made basket and appropriate ribbon is fine. We have often sold a basket of flowers on the strength of the little winged insect attached to the ribbon, handle, or set on the flowers themselves. As a little trade secret I might add that the profit from the use of butterflies and moths is big, enough to warrant their liberal use by all progressive florists.

They also come in handy on table decorations, especially at large banquets, where plenty of table space is given for good effects. We have often secured \$5 to \$10 for single mounted specimens that were rare and beautiful. Placed at random over the tables, perched on the flowers in the vases, ready to fly from the garland-covered posts, attached to the corsage at each lady's plate, their use helps out very much to give tone to the floral display. Many species can be bought at low prices, averaging 15 cents to 20 cents each, allowing for their use in large numbers.

Some retail florists use beetles, as well as butterflies and moths, and while not as delicate and finely colored, these beetles by their very ugliness and grotesqueness attract considerable attention. We are always searching for the things that will make our store different from the rest,

JOHN BREITMEYER'S SONS

Cor. Broadway and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good sections of Ohio, Indiana and Canada.
Members Florists' Telegraph Delivery Association.

THE ROSERY

23 STEUBEN ST.

ALBANY, N. Y.

FLOWER DELIVERIES FOR ALBANY AND VICINITY

Members Florists' Telegraph Delivery

Danker

Albany, N. Y.

Not How Cheap
But How Good.

Capital of the Empire State

Member F. T. D. A.



GUDE BROS CO
1214 1/2 ST. N.W.
WASHINGTON D.C.

**WASHINGTON,
D. C.**

GUDE'S

Member Florists
Telegraph
Delivery

SAMUEL MURRAY

Kansas City, Mo.
913 Grand Ave.

Member of the Florists' Telegraph Delivery
All Orders Given Prompt and Careful Attention

The Park Floral Co.

J. A. VALENTINE, Pres.

Member Florists' Telegraph Delivery.

DENVER, COLORADO

Rochester, N. Y.

**J. B. KELLER SONS,
FLORISTS**

25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2780
Members Florists Telegraph Delivery

"THE HOME OF FLOWERS"

The largest cut flower store in America
Orders for the TWIN CITIES and for all
Northwestern points given prompt attention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

RANDALL'S FLOWER SHOP

HARRY I. RANDALL, Proprietor.

Phone: Park 94

3 PLEASANT ST., WORCESTER, MASS.

Member Florists Telegraph Delivery Association

CHICAGO Send Your Orders to WILLIAM J. SMYTH

Member Florists' Telegraph
Delivery Association

Michigan Ave. at 31st Street

Prompt Auto Delivery
Service

CHICAGO

And Neighboring Towns

Are Thoroughly Covered by

SCHILLER, THE FLORIST

(Member Florists' Telegraph Delivery).

Flowergram or Mail Orders from florists
anywhere carefully filled and delivered
under the supervision of

GEORGE ASMUS, Mgr.

2221-2223 W. Madison St., CHICAGO.

'Phone West 822

**THOS. F. GALVIN
INC.**

NEW YORK 561 Fifth Ave.
Vanderbilt Hotel

BOSTON 1 Park Street
799 Boylston Street

Deliveries to Steamers and all Eastern Ports

CLEVELAND

A. GRAHAM & SON

5523 Euclid Ave.

Will take good care of your orders

Members of F. T. D. Association.

WASHINGTON

915 F ST. N. W.

F. H. KRAMER

Auto delivery of Designs and Flowers to
any address in Washington.

Stock and Work First Class

F. R. PIERSON CO.

FLORISTS AND
PLANTSMEN

TARRYTOWN ON HUDSON, - N. Y.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL STREET, ALBANY, N. Y.

ST. LOUIS, MO.

FRED C. WEBER

4326-28 Olive St.

Member Florists' Telegraph Delivery Association
NOTICE INITIALS. We have one store only

The Far-Famed Flowers of

TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP

96 Yonge St., - - TORONTO, ONT.

and little things such as these insects
have been of great advantage to us.
Individuality should be one of the big
ideals in every business man's code,
whether he be florist or otherwise.

The Easter season is approaching,
and every florist has unlimited opportunity
to express his individuality in
an infinite number of ways. I am not
referring to general business methods
just now, but to the touches of something
different in decorations and basket
displays that make for the reputation
of a florist in that department.
Mounted butterflies and moths are
only little things, and but a very
small part of the florist's equipment;
but each little thing becomes big if it
gives us that intangible impression of
being different—so there you have the
idea.

Henry Penn

NEW FLOWER STORES.

Mauch Chunk, Pa.—Paul Niehoff, 36
Broadway.

Des Moines, Ia.—U. L. Crawford,
Shops Building.

Portland, Me.—Philip H. Talbot,
Congress street.

Peoria, Ill.—Siebenthal & Nelson,
408 Main street.

Scranton, Pa.—Baldwin, the Florist,
118 Adams Ave.

Glendale, Cal.—C. H. Woolsey, New
Theatre Building.

Fort Wayne, Ind.—Bradley Flower
Shop, 1026 Calhoun street.

El Paso, Tex.—Wright Nursery &
Floral Co., 305 N. Stanton street.

Philadelphia, Pa.—The Little Flower
Shop, Baltimore avenue, near 52d
street.

Chicago, Ill.—Nick Speropoulos, 106
S. Wabash avenue, successor to Williams'
Flower Shop; Max Schmidl,
2534 E. 91st, succeeding I. G. Stahl;
Clark Floral Co., Crawford avenue and
Madison street; Parkway Flower Shop,
502 W. 69th street.

NEWS NOTES.

Woonsocket, R. I.—Staples' Flower
Shop was damaged to the extent of
\$200 by water from a fire in the Union
Block, Main street, February 24.

Richmond Hills, N. Y.—While trying
to escape from the greenhouse of
Henry Brockman, Woodhaven Ave., a
burglar was shot and killed by a policeman.
In the greenhouse was found
a package in which the burglar had
wrapped 100 carnations.

Frank J. Kennedy & Son, of Hornell,
New York, filed a petition in bankruptcy
in Buffalo on Feb'y 15. The
petition includes the firm and also
Frank J. Kennedy and Paul L. Kennedy,
individually. The liabilities of the
firm are given at \$3,966.53, and the
assets \$2,732.12. Their hothouses and
gardens are located on the street car
line between Canisteo and Hornell.

Penn The Florist

"The Telegraph Florist"

Member of Florists' Telegraph Delivery

37-43 Bromfield St., Boston, Mass.

ORDERS FOR

NEW YORK

WIRE OR PHONE TO

MAX SCHLING

22 West 59th Street, adjoining Plaza Hotel

Best Florists in the States as References

EUROPEAN ORDERS EXECUTED

Members of the Florists' Telegraph
Delivery.

REUTER'S Members Florists
Telegraph
Delivery

STORES IN

New London and Norwich, Conn.
and Westerly, R. I.

We cover the territory between

New Haven and Providence

Transfer your orders for flower or
plant deliveries to

ZINN The Florist
4 Park St., Boston

HESS & SWOBODA

FLORISTS

Telephones 1591 and L 1483

1415 Farnum St.,

OMAHA, NEB.

THE J. M. GASSER COMPANY,

CLEVELAND

Euclid Avenue

Kerr ORDERS
FOR
TEXAS

The Florist HOUSTON, TEXAS

Member F. T. D. Association.

NEWS ITEMS FROM EVERYWHERE

BOSTON.

Several local florists are talking of a protest campaign against the use of green-dyed carnations on St. Patrick's Day.

Houghton & Gorney Co. have their store illumined with a big display of forced forsythia in the centre this week.

P. Welch, William R. Nicholson, Thomas Roland and Herman Bartsch are absent, this week, attending the Executive Board meeting of the S. A. F. in Chicago.

Some specialties noted this week are Spanish iris from F. P. Putnam of Lowell, callas from Chas. Evans of Watertown, sweet peas from Wm. Sim of Chittendale, violets from John Cummings of Woburn, and bougainvilleas from Thos. Roland of Nahant.

Julius Zinn reports a good business since his removal a few doors nearer the Beacon Hill end of Park street. An attraction in his window this week is one of Roper's sensational seedling carnations, and blooming rhododendrons inside make a very inviting picture.

Carbone had a fine display of blue iris in his window this week. Business has been fairly good with this firm, although most of it has been done in statuary and pottery, rather than in cut flowers. A special line of baskets and stone receptacles will be featured for Easter.

A large attendance is expected at the annual banquet of the Gardeners' and Florists' Club at the New American House, March 10. An attractive program is promised, ending with dancing. All members are urged to attend, as a good time is always to be had at this annual event.

The street vendors are coming into their own just now. As far as the violet growers are concerned these people are almost a necessity, if the salesmen would clean up at the end of the day. Where does the grower's profit come in, selling violets at 15c. to 18c. per 100? The violet market certainly has been hard hit this year in Boston.

Harry Quint's new store on Boylston street was opened up last Saturday. The amount of business done was surprising, considering the unfinished condition of the store. Mr. Quint will follow his plan of popular prices, an innovation for this neighborhood, in the Back Bay. Even flower buyers who are in a position to pay high prices seem to take kindly to the popular price idea.

The credit protective association of local growers and wholesalers is being actively pushed. Papers are now in circulation for prospective members to sign. Several prominent retailers are also encouraging the movement, expressing their willingness to abide by any fair regulations proposed by the association. The plan is good and warrants the co-operation of all Boston florists. An expression of opinion in the form of an article from a noted retailer will appear shortly in the columns of HORTICULTURE.

CHICAGO.

Chas. A. Samuelson is in southern Idaho where he has a large apple orchard.

George Walther, a prominent south side florist, is confined to his home with tonsillitis.

George Kirchoff, of the F. Oechslein force, has the sympathy of the trade in the sudden death of his father.

Word has been received from Mr. and Mrs. W. J. Smyth, that they greatly enjoyed their winter vacation in Florida and Cuba and are now on their way home.

The genial face of the postman who has traversed Wabash avenue for 20 years, will be missed by some of the florists, for Christ Sorenson brought their mail for the last time on Saturday. Sunday he was ill and Monday he passed away. Not a florist—but carrying mail to florists is surely an "allied industry."

A. J. Simmons says business has averaged good on the far south side of the city and has added an auto delivery to his retail store equipment. This he regards now as a necessity. Collections are reported very slow. Mr. Simmons has almost entirely regained his health and with the assistance of Mrs. Simmons has made the store one of the most attractive in his locality.

Julius Wall now has the new greenhouses at 3235 Springfield avenue, in the best of condition. These houses were in the process of construction when his father died, last June, and the young man has devoted himself to completing the work. The old place was on School street where the business was started thirty years ago. The new location is a fine one and the houses are filled with a general line of bedding stock. Both wholesale and retail trade is carried on and there will be some good stock for Easter.

For many months the force of employees at the Foley Greenhouse Manufacturing Company have put in all their spare time completing the factory, and now there is not a better equipped plant for the purpose in the country. A railroad track on the south side brings all material into the factory and another to the north carries out the finished products, while the large space between is used for a lumber yard. The ground floor of the factory is given to the iron work where each machine is run by a separate motor, and adjoining this is a large room for painting and stacking wood work. The upper room has been partly double-decked and about 30,000 square feet of floor space is devoted to the production of all that goes to make a first-class greenhouse. A visit here would be a revelation to one who has been accustomed to look at greenhouse building as a simple affair. Mr. Foley has just been granted a patent on a bar bracket for attaching wood bars to iron gutters. The piece is comparatively small but very important. The case had been pending for some time. C. H. Schlueter, secretary of the company, was recently married to Eleanor Schultz.

SAN FRANCISCO.

John Fotheringham, the well-known representative of European and Eastern houses, has just returned from the East.

Hogan, Kooyman & Co. are furnishing a large number of potted palms and ferns for the Netherlands building, which is now being completed.

One of the exhibits which is attracting much attention is that of orchids in the Philippine Islands building, which was formally dedicated February 26. This exhibit contains over 4,000 specimens, and is valued at about \$20,000. Many of the varieties, it is said, are being shown in this country for the first time.

The Art Floral Company of this city was made the victim of a practical joker a few days ago, when some "friend" of the house took its automobile around the block and left it in a back alley. The company was put to no little inconvenience and several hours elapsed, during which police assistance was asked for, before the machine was located.

Attention is still centered upon the Exposition, in which flowers are already a prominent feature, though comparatively little of the general plantings is now in bloom. Planting around many of the state and national buildings is still incomplete, but is being rushed as fast as possible. One of the most interesting events was the celebration of San Mateo county on Thursday of this week. Most of the violets for the San Francisco market are grown in that county, and these flowers by the ton, several wagonloads in all, were heaped in a mound inside the Scott street entrance. The flowers were distributed by three thousand San Mateo school children, who presented a bunch to every visitor to the Exposition; and about 15,000 bunches were distributed among the San Mateo delegation alone.

WASHINGTON.

William F. Gude has gone to Chicago for the purpose of attending the meeting of the executive board of the S. A. F. and O. H.

Frank W. Bolgiano is named as among those elected at the meeting of the executive committee as new members of the Washington Board of Trade.

Charles F. Diggs has been appointed receiver of the bankrupt estate of the Washington Florists' Company, and the case has been referred to Ralph D. Quinter, referee in bankruptcy. The first meeting of the creditors was held on March 1. The bond of the receiver has been placed at \$4000.

J. Henry Small has been selected by President R. P. Andrews as a member of the committee on credits and collections, considered one of the most important committees of the Retail Merchants' Association, and Z. D. Blackstone will serve on the committee on trade abuses, and William Marche on the committee on home trade.

SEASONABLE SUGGESTIONS

BY THE FLORISTS' SUPPLY HOUSE OF AMERICA

St. Patrick's Novelties—High Hats for Shamrocks

EASTER BASKETS NOW READY

HANDLE BASKETS With Liners **TUMBLER BASKETS**
CYCAS LEAVES, Best in the World **MAGNOLIA LEAVES**
WHEAT SHEAVES, CREPE PAPER AND MATS **CREPE FLOWERS**

H. BAYERSDORFER & CO., The Florists' Supply House of America **1129 Arch St., PHILADELPHIA, PA.**

Clubs and Societies

(Continued from page 300)

FLORISTS' CLUB OF PHILADELPHIA.

Edward A. Harvey, of Alban Harvey & Son, Brandywine Summit, gave an excellent address on carnations at the monthly meeting of the club on March 2nd. The discussion on same was participated in by some of our brightest lights, including Samuel S. Pennock, Edward Reid and many others. John C. Gracey, vice-president, occupied the chair in the absence of George Burton at Chicago. He proved a most efficient and entertaining presiding officer. The wit and wisdom of the meeting was ably taken care of by Charles E. Meehan, who put things to the audience in a plain business like way. A great feature was a delegation from Lancaster who had been visiting nearby places with Samuel S. Pennock as pilot and host. They enjoyed themselves splendidly and were sorry they had to take the eight fifty and miss much of the fun. Albert M. Herr, an old-timer, was with them to show them around and explain the situation. They called first at the Stroud place at Strafford then passed through Philadelphia and later visited North Wales. Then they went to Hatboro and on the way back called at Stephenson's, the celebrated Oak Lane rose growers.

At the club meeting there was a good showing of carnations, among them being White Enchantress, Pink seedling of Enchantress, Beacon, Ruth, a fine new cerise, a white seedling from DeWitt, a new one called Gracie from Roper, also a good showing of Alice Coombs, Mrs. C. W. Ward and Peter Fisher's Alice. Mrs. Akehurst from Akehurst & Son and Morning Glory from Edw. Winkler were also among the much admired exhibits. Most of the foregoing were shown under the care of the Pennock-Meehan Co., whose representatives were present to care for and stage and explain about the merits of the various new and interesting things in the world of progress.

Charles F. Edgar showed an interesting lot of suction adhesive flower holders. These look all right to us, and Mr. Edgar asked us to give him a good notice about them. When a lad starts in to ask for free advertising he betrays that he has much to learn about the business game. If one starts in that direction "it's a long long way to Tipperary." We have axes of our

own to grind; sure; but we grind them ourselves or pay the other fellow. We are not looking for something for nothing. Come across, Mr. Edgar, and we shall give our readers some of that dollar-a-word stuff!

LADIES' SOCIETY OF AMERICAN FLORISTS.

Wishing to get the opinion of the members as to the use to which society money should be devoted—educational purposes or annual reception—the secretary sent out at her own expense about 300 postal cards and received back 133 expressing preferences as follows: Educational, 89; reception, 36; no opinion, 8. In reply to the question, "Are you planning to go to California in 1915?" there were 27 affirmative responses.

NEWS NOTES.

Philadelphia—Stuart H. Miller, our new commission man, launched his boat right on time, Monday morning, March 1st, at 1617 Ranstead street. He was kept busy in the early days receiving old friends and welcoming new—and at the same time doing a hustling business. Everybody feels kindly towards Stuart. All wish him well and they are giving him a share of their business. Actions speak louder than words.

Providence, R. I.—Mrs. Mary A. Conley, a florist of Providence, and her daughter Miss Anna F. Conley, had a narrow escape from serious injury Tuesday afternoon when a motor car in which they were riding skidded over an embankment and rested upon its side on the edge of a brook. The accident happened on the Francis farm in Warwick. The occupants of the car escaped with minor bruises. The car was damaged considerably.

Elmira, N. Y.—Mrs. Catherine Jackson, has purchased the La France Carnation Shop, 100 East Water Street.



Real Butterflies

Moths, Beetles, etc., mounted on pins for floral decorations of every description. Largest stock in America.

Write for prices.

The New England Entomological Company
 366 Arborway, Jamaica Plain, Mass.

During Recess

Westchester and Fairfield Horticultural Society.

The annual entertainment and dance of this society was held in Mechanics' Hall, Stamford, Conn., Tuesday eve., Feb. 16th. The members with their wives, families and friends together with a very large number of representatives of leading seed houses and nursery firms were welcomed by President W. J. Sealy. A pleasing program was rendered, the leading features of which were Scotch ballads sung by Mrs. James W. Stirling, old-time songs by Owen Hunwick, character songs and dances by Prof. Wilson, violin solos by the talented young son of Jas. Foster, sleight-of-hand acts by Prof. Melcher, various classical, topical, sentimental and popular songs by Hon. John M. Brown, Mayor of Stamford, Ct., W. J. Collins of Boston, Jas. Johnston and A. L. Ricards. An excellent buffet lunch was served, a plentiful supply of fruit and candies were available for the little folks and an excellent orchestra was in attendance. A pleasing dance program was rendered under the able management of Jas. Johnston, assisted by Alex. Clarkson, the grand march being led by Mr. and Mrs. Jas. Stuart. A tired but happy crowd wended their way homeward in the "wee sma hours."

P. W. POPP, Cor. Sec'y.

The Essex County, N. J., Florists' Club gave its annual banquet Thursday night, February 18, at the Krueger Auditorium in Belmont avenue, Newark. A feature of the dinner was the elaborate floral decorations, each member trying to outdo his neighbor in displaying the choicest blooms. Plates were set for eighty-five. There was speechmaking in abundance.

N. Y. Florists' Bowling Club, Thursday, Feb. 25th.

P. Jacobson.....	159	167
J. Miesem.....	163	178
H. C. Riedel.....	159	179
W. P. Ford.....	168	166
R. J. Irwin.....	169	165
P. Ritgo.....	152	161

Cincinnati—C. J. Jones, restored to health, has returned from Martinsville, Ind., and is back at the store.

C. E. Critchell reports a heavy call from the south for wire hanging baskets.

SNAPDRAGON

Pink, White, Yellow, \$1.50 per dozen.

LILAC

White and Lavender, \$1.00 per bunch, 12 bunches for \$10.00.

SPENCER PEAS

Extra fine quality, 500 for \$7.50, our selection of colors.

THE LEO NIESSEN CO.

Wholesale Florists

N. W. Cor. 12th and Race Sts., PHILADELPHIA, PA.
BALTIMORE, MD. WASHINGTON, D. C.**EASTER**

AND

Spring Trade Number**MARCH 20, 1915***Advertising in the Easter Number is
Good Business. It has a Definite Pur-
pose which Assures Double Value.***THE BEST LETTERS**FOR
FLORIST'S
USE**R**THOSE
MADE
BY THE**Boston Florist Letter Co.**

66 PEARL ST., BOSTON

N. F. McCarthy, Mgr.

Block Letters, \$2.00 per 100.

Script Letters, \$3.00 per 100.

Order direct or buy from your local
supply dealer. Insist on having the**BOSTON**Inscriptions, Emblems, etc. Always
in Stock**POEHLMANN BROS. CO.***Supply of Best Cut Flowers all the Year Around*
72-74 EAST RANDOLPH ST., - - - CHICAGO.

If interested, send us your name and address for our weekly price list.

WELCH BROS. CO.AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE
SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS**BEST PRODUCED****226 Devonshire Street,****Boston, Mass.****WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100**

TO DEALERS ONLY

	CINCINNATI March 4	CHICAGO March 4	BUFFALO March 4	PITTSBURG March 4
Roses				
Am. Beauty, Special.....	47.00 to 50.00	47.00 to 50.00	40.00 to 50.00	40.00 to 50.00
" " Fancy and Extra.....	38.00 to 35.00	40.00 to 40.00	40.00 to 40.00	25.00 to 35.00
" " No. 1.....	10.00 to 13.00	15.00 to 15.00	10.00 to 20.00	15.00 to 20.00
Killarney, Richmond, Extra.....	6.00 to 8.00	6.00 to 8.00	10.00 to 10.00	8.00 to 10.00
" " Ordinary.....	2.00 to 4.00	4.00 to 4.00	6.00 to 6.00	3.00 to 8.00
Hillingdon, Ward, Sunburst, Extra.....	8.00 to 8.00	8.00 to 8.00	10.00 to 10.00	8.00 to 10.00
" " Ordinary.....	2.00 to 4.00	6.00 to 6.00	8.00 to 8.00	3.00 to 6.00
Maryland, Killarney, Taft, Extra.....	8.00 to 8.00	15.00 to 15.00	10.00 to 10.00	8.00 to 10.00
" " Ordinary.....	2.00 to 4.00	8.00 to 8.00	6.00 to 6.00	3.00 to 6.00
Russell, Hadley, Ophelia, No. 1.....	4.00 to 10.00	8.00 to 25.00	6.00 to 10.00	8.00 to 12.00
Carnations, Fancy.....	3.00 to 3.00	4.00 to 4.00	3.00 to 3.00	2.00 to 3.00
" " Ordinary.....	2.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 3.00
Cattleyas.....	25.00 to 35.00	35.00 to 50.00	40.00 to 50.00	30.00 to 50.00
Lilies, Longiflorum.....	10.00 to 12.00	8.00 to 10.00	8.00 to 12.00	8.00 to 10.00
" " Rubrum.....	.....	.....	.....	.....
Lily of the Valley.....	1.00 to 4.00	3.00 to 4.00	4.00 to 4.00	2.00 to 4.00
Deises.....	.....	.....	.....	.....
Violets.....	.35 to .75	.35 to .50	.40 to .50	.50 to .75
Snapdragon.....	.....	.....	.....	.....
Narcissus, Paper White.....	.....	2.00 to 2.00	1.00 to 2.00	4.00 to 10.00
Freesias.....	2.00 to 2.00	2.00 to 4.00	1.00 to 2.00	2.00 to 4.00
Daffodils.....	3.00 to 3.00	1.00 to 3.00	1.00 to 3.00	.....
Tulips.....	3.00 to 4.00	2.00 to 4.00	2.00 to 3.00	.....
Sweet Peas.....	.25 to .75	1.00 to 2.00	.50 to 1.50	.50 to 1.50
Corn Flower.....	.....	.....	.....	.....
Gardenias.....	.....	5.00 to 5.00	20.00 to 30.00	.....
Adiantum.....	1.00 to 1.00	1.25 to 1.25	1.00 to 1.25	1.00 to 1.25
Smilax.....	12.50 to 12.50	18.00 to 18.00	15.00 to 15.00	12.50 to 15.00
Asparagus Plumosus, Strings (100) & Spreng. (100 bchs.)	20.00 to 25.00	40.00 to 50.00	4.00 to 60.00	40.00 to 50.00
	20.00 to 25.00	2.00 to 30.00	25.00 to 35.00	25.00 to 50.00

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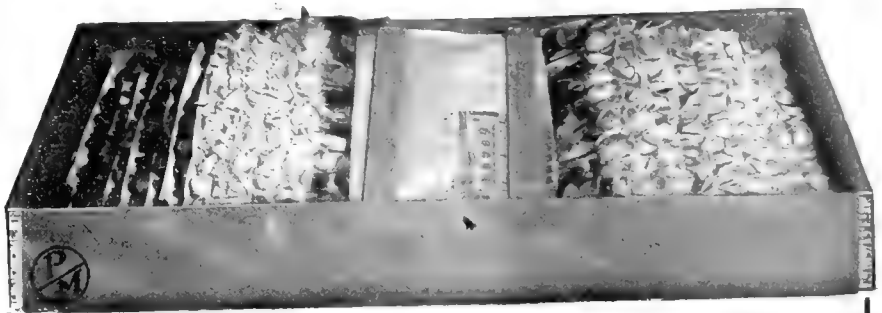
Flower Market Reports

BOSTON Business? There isn't any! That is the concise and illuminating report of all branches of the trade this week. The weather is clear and sunny, the air filled with that intangible snap that heralds the approach of spring and stock is excellent and none too plentiful; but the retailers will not buy and therein is contained the whole story. The full effects of Lent are being felt, intensified by the general business depression. Violets, especially, are hard hit, cleaning up each day only through the good graces of the street boys. Their quality is good and should fetch better prices, certainly more than the 25c. to 30c. per 100 now secured with difficulty. Carnations were selling fairly well at the beginning of the week, but at the present writing even the best varieties of the best growers hardly earn \$3.50 per 100. Roses are plentiful and suffer with other kinds of flowers. The only stock really selling easily is yellow jonquils and potted tulips. These are being sold at "popular prices" all over the city.

Conditions are about **CHICAGO** normal. A fair amount of trade is coming to the wholesaler and a fair amount of stock is at his disposal. Lent has not cut into sales very materially, neither has a stormy week curtailed sales and the average florist wears a smile this week. Carnations are considered scarce and particularly in white, even "splits" being eagerly bought up. Roses are still off crop but the supply is increasing a little each week. The first shipments of southern jonquils have arrived, small and single, but in good condition and as the market was not flooded with home-grown ones, they sold readily, bringing 60c. and 75c. per 100. Violets still are bringing small returns and sell slowly. Tulips are doing very well. Sales continue to use up practically all that come each day. American Beauties are still scarce and no change is in sight. Southern Asparagus sprengeri arrives in fine condition and is put up in both large and small bunches.

Business taken as a **CINCINNATI** whole is pretty good. Besides the usual demand for flowers there is a demand occasioned by the opening of new stores and the early spring openings in the retail shopping district. The call from out of town is very strong. The rose supply is now about equal to requirements. Carnations still clean up very readily and their supply has increased somewhat. Bulbous stock is in a good steady supply and meets with a fair market. Lilies and callas are plentiful. The sweet pea cut is very large and includes many fancy blooms. Lily of the valley and violets move rather slowly.

The sales for **NEW BEDFORD** Valentine's Day and Washington's Birthday were unusually good, exceeding all expectations. Violets especially were in great demand. This appeared to be the result of a very small amount



ROSE SPECIALS

For week ending March 13th we offer

ROSE SPECIAL No. 1, 200 or more, our selection, all long stems \$5.00 per 100

ROSE SPECIAL No. 2, 200 or more, our selection, medium quality, \$2.50 per 100

Both these Specials are of Unusual Value

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NEW YORK, 117 W. 28th St.
WASHINGTON, 1216 H St., N. W.



WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON March 4		ST. LOUIS March 1		PHILA. March 2	
Roses						
Am. Beauty, Special	30.00	to 35.00	25.00	to 40.00	40.00	to 50.00
" " Fancy and Extra	12.00	to 20.00	18.00	to 20.00	25.00	to 35.00
" " No. 1	4.00	to 10.00	10.00	to 15.00	8.00	to 15.00
Killarney, Richmond, Extra	8.00	to 12.00	6.00	to 8.00	4.00	to 6.00
" " Ordinary	2.00	to 5.00	4.00	to 5.00	2.00	to 3.00
Hillingdon, Ward, Sunburst, Extra	9.00	to 12.00	6.00	to 10.00	4.00	to 6.00
" " Ordinary	4.00	to 6.00	4.00	to 5.00	2.00	to 3.00
Maryland, Radiate, Taft, Extra	7.00	to 12.00	6.00	to 10.00	4.00	to 6.00
" " Ordinary	4.00	to 4.00	4.00	to 5.00	2.00	to 3.00
Russell, Hadley, Ophelia, Mock	4.00	to 10.00	8.00	to 12.00	8.00	to 20.00
Carnations, Fancy	3.00	to 3.50	2.00	to 3.00	2.00	to 3.00
" " Ordinary	1.00	to 2.00	1.00	to 1.50	1.50	to 2.00
Cattleyas	20.00	to 30.00	40.00	to 50.00	35.00	to 50.00
Lilies, Longiflorum	8.00	to 10.00	10.00	to 12.50	8.00	to 10.00
" " Rubrum	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Daisies	1.00	to 1.00	1.00	to 1.00	1.00	to 1.00
Violets	.75	to .40	.20	to .50	.40	to .50
Snapdragon	1.00	to 4.00	3.00	to 4.00	8.00	to 12.00
Narcissus, Paper White	1.00	to 1.50	2.00	to 3.00	1.00	to 3.00
Freelias	1.00	to 2.00	2.00	to 3.00	1.00	to 3.00
Daffodils	1.00	to 3.00	2.00	to 3.00	1.00	to 3.00
Tulips	1.00	to 3.00	3.00	to 4.00	2.00	to 4.00
Sweet Peas	.75	to 1.50	.30	to 1.00	.50	to 2.00
Corn Flower	1.00	to .75	1.00	to .50	1.00	to 2.00
Gardenias	20.00	to 35.00	1.00	to 1.50	8.00	to 20.00
Adiantum	8.00	to 1.00	1.00	to 1.25	1.00	to 1.50
Smilax	8.00	to 12.00	10.00	to 12.50	10.00	to 15.00
Asparagus Plumosus, Strings (100)	25.00	to 40.00	35.00	to 50.00	35.00	to 50.00
" " & Spreng. (100 Bchs.)	25.00	to 35.00	15.00	to 25.00	35.00	to 50.00

of judicious advertising. It seems probable that if another year this line should be followed up the result might be greatly to the advantage of the trade. Since the continued dark weather of the middle and last of February seems at last to have come to an end, stock in general is rapidly picking up. Tulips and hyacinths are very fine, though many of the Dutch narcissus bulbs are blind.

Roses are still high and much in demand. Carnations are selling well, and the sale of violets is exceptionally good.

NEW YORK The usual mid-lent conditions are apparent on all sides in the wholesale districts. In the case of

some things the stagnation is not only as usual but greatly aggravated and, when we consider the extremely low ebb of business among the leading retail stores, it is an object for thankfulness that the situation is no worse than it is. The worst problem is the disposal of bulbous stock and violets. Roses have managed to move fairly well, taken all in all, and carnations might be much harder hit than they have been thus far. It is a little early to mention Easter prospects but we should not be surprised to see a very heavy crop generally of all regular specialties at that time. The rather moderate production since January has been a good thing for the market.

(Continued on page 1)

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ROSES AND CARNATIONS

	Last Half of Week ending Feb. 27 1915		First Half of Week beginning Mar. 1 1915	
American Beauty, Special	20.00	to 30.00	20.00	to 30.00
" " Fancy and Extra	12.00	to 15.00	12.00	to 15.00
" " No. 1	3.00	to 10.00	2.00	to 8.00
Killarney, Richmond, Extra	5.00	to 6.00	5.00	to 6.00
" " Ordinary	1.00	to 3.00	1.00	to 3.00
Hillingdon, Ward, Sunburst, Extra	5.00	to 6.00	5.00	to 6.00
" " Ordinary	1.00	to 3.00	1.00	to 3.00
Maryland, Radiance, Taft, Extra	4.00	to 6.00	5.00	to 6.00
" " Ordinary	1.00	to 3.00	1.00	to 3.00
Russell, Hadley, Ophelia, Mock	4.00	to 12.00	4.00	to 12.00
Carnations, Fancy	1.50	to 2.50	2.00	to 2.50
" " Ordinary	1.00	to 1.50	1.00	to 1.50

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101 W. 28th St., NEW YORK

We have 20 years' experience behind us.
Telephone, Madison Square 896 and 897.



Flower Market Reports

(Continued from page 317)

PHILADELPHIA We have experienced rather a dull week—a superabundance of flowers and business not very good. The first part of last week was especially bad. At the end things picked up a bit and the colder weather has held crops within bounds a little. The worst sufferers in the congestion were bulbous flowers: tulips, paper whites, daffodils, freesias, etc. Lilies did not suffer so much as the supply of these is better controlled all through the season. Roses are very plentiful and carnations are also in larger supply. Prices on the latter have receded to quite a noticeable extent. Violets are a drag and a drug. Lily of the valley not much better. Lilac, plentiful and in fair demand. Not so many cattleyas and prices slightly firmer; *Schroedera* is the best one now arriving. Snapdragon is of better quality and selling well.

SAN FRANCISCO Business has fallen off somewhat this week, though the natural quietness of the Lenten season is partly counteracted by the social activity due to the Exposition, and by small purchases by visitors to the city. Shipping trade in violets is light, and with stock more plentiful than ever, and also very fine, prices are low. The northern demand for roses keeps up fairly well, but the abundance of spring flowers is injuring their sale locally. There is now a large cut of most varieties, only American Beauties being a little scarce and hardly up to standard. Killarney and Maryland are especially good, and move readily. Hyacinths are now very plentiful, and tulips rather more so than usual at this season, while other bulb stock is in profusion. The large offerings and fine quality naturally stimulate a lively demand, but prices are low. Carnations are deteriorating, and find little demand in competition with bulb stock. This week's cut of gardenias is about the best ever seen here, with stems a foot long, and many blossoms 4 to 5 inches in diameter. The supply of orchids is getting down to normal again, with a corresponding steadying of prices. There is a heavy demand for ferns and palms, but the supply so far has been sufficient for all requirements. Practically all the growers are bringing in heavy offerings of *Formosum* lilies.

ST. LOUIS There was a good market last week. The dark weather cut the supply down somewhat and this seemed to increase the demand and raised the prices a few cents on all stock. Sweet peas and violets were in good supply and demand, and mainly so in the fancy grades. As the season advances, bulb stock is coming in more and more. There are enough roses and carnations for the daily demand with prices a little high on these.

WASHINGTON Business last week was very dull. There was a large accumulation of stock of all kinds which forced already low prices still lower. Particularly was this true of carnations. Colder weather put a halt to the oversupply and they have now regained former prices. In roses the

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Feb. 27 1915	First Half of Week beginning Mar. 1 1915
Cattleyas	10.00 to 25.00	10.00 to 25.00
Lilies, Longiflorum	4.00 to 8.00	4.00 to 6.00
Rubrum	1.00 to 6.00	1.00 to 6.00
Lily of the Valley	1.00 to 2.50	1.00 to 2.50
Daisies	..... to .....	..... to
Violets	.15 to .25	.15 to .25
Snapdragon	4.00 to 6.00	4.00 to 10.00
Narcissus, Paper White	1.00 to 1.50	1.00 to 1.50
Freesias	1.00 to 3.00	1.00 to 3.00
Daffodils	1.00 to 2.00	1.00 to 2.00
Tulips	1.00 to 3.00	1.00 to 3.00
Sweet Peas	.25 to 1.50	.25 to 1.00
Corn Flower	..... to .....	..... to
Gardenias	5.00 to 25.00	5.00 to 25.00
Adiantum	.50 to .75	.50 to .75
Smilax	6.00 to 10.00	6.00 to 10.00
Asparagus Plumosus , strings (per 100)	35.00 to 50.00	25.00 to 50.00
& Spren (100 bunches)	10.00 to 25.00	20.00 to 25.00

cut of the week was more than double that of the week preceding, but this, too, is now a thing of the past. Cattleyas are going off crop. There is a glut of New York violets and they are not moving to any great extent except along the streets. There are more than three times as many sweet peas than there were two weeks ago and prices have dropped. Snapdragon is somewhat more plentiful than it has been and is moving slowly. Narcissi and daffodils are not moving at all. Single jonquils from the south find no market here. A scarcity is reported of American Beauty roses and of gardenias but there are enough of both to meet the limited call for them.

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FRANK P. PUTNAM, Lowell, Mass.

CARNATION STAPLES

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 1000 for 35c; 3000 for \$1.00 post paid. I. L. PILLSBURY, Galesburg, Ill.

Supreme Carnation Staples, for repairing split carnations, 35c. per 1000; 3000 for \$1.00. F. W. WAITE, 85 Belmont Ave., Springfield, Mass.

CHRYSANTHEMUMS

Poehlmann Bros. Co., Morton Grove, Ill.
For page see List of Advertisers.

Wood Bros., Fishkill, N. Y.
Chrysanthemums Rooted Cuttings.
For page see List of Advertisers.

CHRYSANTHEMUMS—Continued

Edwin A. Seidewitz, best late pink, 2 1/2 in. pots, \$7.00 per 100, rooted cuttings, \$5.00 per 100; Yellow Sport of Mrs. Razer, \$15.00 per 100. HENRY EICHHOLZ, Wayneboro, Pa.

THE BEST 1915 NOVELTIES.

The Cream of 1914 Introductions.

The most popular Commercial and Exhibition kinds; also complete line of Pompons, Singles and Anemones. Trade list on application. ELMER D. SMITH & CO., Adrian, Mich.

CHRYSANTHEMUMS—Finest Singles, Exhibition kinds; also complete line of Pompons, Singles and Anemones. Trade list on application. ELMER D. SMITH & CO., Adrian, Mich.

FRANK P. PUTNAM, Lowell, Mass.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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CYCLAMENS

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

CYCLAMEN GIGANTEUM

For several years we have been working for the improvement of the Cyclamen; we offer for March and April delivery, young thrifty plants from 2 in. pots, giant white, white-pink eye, giant pink, dark red, brilliant red, at \$5.00 per 100; Glory of Wandsbek (brilliant salmon) at \$8.00 per 100. These are plants produced from our own improved strain.

J. A. PETERSON & SONS
Westwood, Cincinnati, Ohio

DAHLIAS

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange. GEO. H. WALKER, Dahlia Expert, North Dighton, Mass.

DAHLIAS.

Send for Wholesale List of whole clumps and separate stock; 40,000 clumps for sale. Northboro Dahlia and Gladiolus Gardens. J. L. MOORE, Prop., Northboro, Mass.

NEW PAEONY DAHLIA

John Wanamaker, Newest, Handsomest, Best. New color, new form and new habit of growth. Big stock of best cut-flower varieties. Send list of wants to PEACOCK DAHLIA FARMS, Berlin, N. J.

ALEXANDER'S QUALITY DAHLIAS are the best on the market; 800,000 Clumps to offer, at rock bottom prices, in full field clumps, and strong divisions. If you are looking for stock for your 1915 Catalogue, or for forcing, send at once for free catalogue. J. K. ALEXANDER, "The Dahlia King," East Bridgewater, Mass.

DECORATIVE PLANTS

Robert Craig Co., Philadelphia, Pa.
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Woodrow & Markatos, New York City.
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S. S. Skidelsky & Co., Philadelphia, Pa.
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Bohlink & Atkins, Rutherford, N. J.
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Alonzo J. Bryan, Washington, N. J.
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FERNS

H. H. Barrows & Son, Whitman, Mass.
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Robert Craig Co., Philadelphia, Pa.
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Alonzo J. Bryan, Washington, N. J.
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FERTILIZERS

Sanderson Fertilizer & Chemical Co.,
New Haven, Conn.
South American Sheep and Goat Manure.
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20th Century Plant Food Co., Beverly, Mass.
Cocoanut Fibre Soil.
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Pulverized Manure Co., Chicago, Ill.
Wizard Brand Cattle Manure.
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Stampp & Walter Co., New York City.
Scotch Soot.
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Plantlife Co., New York, N. Y.
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Farmers' and Florists' Fertilizer Co.,
Chicago, Ill.
Aetna Brand Tankage Fertilizer.
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New York Stable Manure Co., Jersey City,
N. J.
Well-Rotted Horse Manure.
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FLORISTS' LETTERS

Boston Florist Letter Co., Boston, Mass.
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FLORISTS' SUPPLIES

N. F. McCarthy & Co., Boston, Mass.
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Reed & Keller, New York City.
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S. S. Pennock-Meehan Co., Philadelphia, Pa.
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H. Bayersdorfer & Co., Philadelphia, Pa.
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Welch Bros. Co., Boston, Mass.
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Komada Bros., Philadelphia, Pa.
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FLOWER POTS

E. Allan Peirce, Waltham, Mass.
Peirce Paper Flower Pot.
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W. H. Ernest, Washington, D. C.
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A. H. Hews & Co., Inc., Cambridge, Mass.
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Hilfinger Bros., Ft. Edward, N. Y.
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FUCHSIAS

Fuchsias—Black Prince, Speciosa, double
purple and white. Rooted Cuttings, \$1.00
per 100; 2½-in., \$2.00 per 100.
W. J. BARNETT, R. D. 67, Sharon, Pa.

FUNGINE

Aphine Mfg. Co., Madison, N. J.
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GALAX

Michigan Cut Flower Co., Detroit, Mich.
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GERANIUMS

R. Vincent, Jr., & Sons Co.
White Marsh, Md.
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Alonzo J. Bryan, Washington, N. J.
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North Shore Nursery & Florist Co.,
Frank E. Cole, Mgr., Beverly Farms, Mass.
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J. E. Felthousen, Schenectady, N. Y.
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Mme. Sallerol Geraniums—Very strong,
well established, 2-in., \$2.00 per 100, \$18.00
per 1000. HOPKINS & HOPKINS, Chepa-
chet, R. I.

GLADIOLUS

John Lewis Childs, Flowerfield, L. I., N. Y.
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A. Henderson & Co., Chicago, Ill.
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Gladiolus—Shakespeare, Hyde Park,
Morning Star. Good for Florists' use.
First and second sizes. Write for prices.
HERMAN H. BAER, New Hyde Park, N. Y.

GLADIOLUS—Continued

20,000 GLADIOLUS BULBS—Silver Trophy
strain with named varieties, such as Inten-
sity, Cracker Jack, America, King, Augus-
ta and other fine sorts mixed. For sale
cheap. FRANK THOMAS, Theresa, N. Y.

First size America, \$7.00; Mrs. F. King,
\$9.00; Velvet King, \$11.00 per 1,000, until
size is reduced. Write for wholesale and
retail price lists of about 100 varieties.
G. D. BLACK, Independence, Iowa.

GLADIOLUS AMERICA—1½-in. and up,
\$7.50 per 1000; 1-in. and up, \$5.00 per 1000;
bulbets, 50c. per 1000. A-1 mixture, 1½-
in. and up, \$6.50 per 1000. RINGLER ROSE
CO., 331 W. Randolph St., Chicago, Ill.

First size healthy Gladoli. per 1000:
Augusta, \$4.00; Hulot, \$14.00; Halley, \$14.00;
King of Yellow, \$25.00; Francis King, \$14.00;
Panama, \$37.50; Pink Beauty, \$9.00; White
and Light Mixed, \$10.00. Send for list of
75 varieties, including planting sizes. F. E.
SWETT & SON, Stoughton, Mass.

Mrs. Watt, the gladiolus of quality; bril-
liant wine, one solid color, the same shade
as Hadley rose; large flower, strong spike,
robust grower; first size bulbs, \$3.50 per
100; also planting stock (¾ to ¾ inch) of
the following: America, \$1.50; Klondyke
(yellow), \$2.50; Taconic (bright pink),
\$2.75; Augusta (white), \$2.50 per 1000.
Halley, Princeps, Columbia, Mrs. King,
Chicago White, Peace, Niagara, Golden
King and Pendleton—write for prices.
HOMER F. CHASE, Lawrence, Mass.

GLASS

Sharp, Partridge & Co., Chicago.
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Parshelsky Bros., Inc., Brooklyn, N. Y.
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Greenhouse glass, lowest prices. JOHN-
STON GLASS CO., Hartford City, Ind.

GLASS CUTTERS

Smith & Hemenway Co., New York City.
Red Devil Glass Cutter.
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GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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GLOXINIAS

Henry A. Dreer, Philadelphia, Pa.
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GREENHOUSE BUILDING MATERIAL

King Construction Co., N. Tonawanda, N. Y.
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Parshelsky Bros., Inc., Brooklyn, N. Y.
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Metropolitan Material Co., Brooklyn, N. Y.
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A. T. Stearns Lumber Co., Neponset,
Boston.
Stearns Cypress.
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Lord & Burnham Co., New York City.
S. Jacobs & Sons, Brooklyn, N. Y.

GREENHOUSE CONSTRUCTION

King Construction Co., N. Tonawanda, N. Y.
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Foley Greenhouse Mfg. Co., Chicago, Ill.
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A. T. Stearns Lumber Co., Boston, Mass.
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Metropolitan Material Co., Brooklyn, N. Y.
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Hitchings & Co., New York City.
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Pierson U-Bar Co., New York City.
Lord & Burnham Co., New York City.

GUTTERS

King Construction Co., N. Tonawanda, N. Y.
King Channel Gutter.
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Metropolitan Material Co., Brooklyn, N. Y.
Iron Gutters.
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HAIL INSURANCE

Florists' Hall Asso. of America.
J. G. Esler, Saddle River, N. J.
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HARDY FERNS AND GREEN GOODS
Michigan Cut Flower Exchange, Detroit,
Mich.

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The Kervan Co., New York.
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HARDY PERENNIALS

Bay State Nurseries, No. Abington, Mass.
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P. Ouwerkerk, Hoboken, N. J.
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Palisades Nurseries, Sparkill, N. Y.
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HARDWOOD ASHES

Hardwood Ashes for sale. GEO. L.
MUNROE & SONS, Oswego, N. Y.

HART'S PATENT STAPLE TACK

George B. Hart, Rochester, N. Y.

HEATING APPARATUS

Kroeschell Bros. Co., Chicago.
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Lord & Burnham Co., New York City.

HOT-BED SASH

Parshelsky Bros., Inc., Brooklyn, N. Y.
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Foley Greenhouse Construction Co.,
Chicago, Ill.
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A. T. Stearns Lumber Co., Neponset, Mass.
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Lord & Burnham Co., New York City.

HOSE

H. A. Dreer, Philadelphia, Pa.

HYDRANGEAS

Henry A. Dreer, Philadelphia, Pa.
New French Hydrangeas.
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INSECTICIDES

Aphine Manufacturing Co., Madison, N. J.
Aphine and Fungine.
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Lemon Oil Co., Baltimore, Md.
Standard Insecticides.
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Nicotine Mfg. Co., St. Louis, Mo.
Aphis Punk and Nikoteen.
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Plantlife Co., New York City.
Plantlife.
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Kentucky Tobacco Product Co., Louis-
ville, Ky.
"Nico-Fume."
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Roman J. Irwin, New York City.
Nico Fume Liquid and Paper.
For page see List of Advertisers.

IVY

English Ivy Rooted Cuttings, 75c. per 100,
post paid. From soil 20 to 30 in., \$3.00.
From pots 12 to 15 in., \$4.00. CHAS. FROST,
Kenilworth, N. J.

LEMON OIL

Lemon Oil Co., Baltimore, Md.
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LILY BULBS

Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
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R. M. Ward & Co., New York, N. Y.
Japanese Lily Bulbs of Superior Quality.
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Corp. of Chas. F. Meyer, New York City
Meyer's T. Brand Giganteums
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SWEET PEA SEED

Ant. C. Zvolanek, Lompoc, Calif.
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S. Bryson Ayres Co.,
Sunnyslope, Independence, Mo.
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"JOHN BAER" TOMATO

J. Bolgiano & Son, Baltimore, Md.
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TRITOMAS

Tritoma Pfitzerl, strong crowns. Write
for prices. THOMAS J. OBERLIN, Sinking
Spring, Pa.

VENTILATING APPARATUS

The Advance Co., Richmond, Ind.
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The John A. Evans Co., Richmond, Ind.
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VERMICIDES

Aphine Mfg. Co., Madison, N. J.
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VINCAS

450 Vincas, 2½-inch pots, good strong
plants, 3 cts. each; the lot for \$12.00, cash.
SAMUEL KINDER & BRO., Bristol, R. I.

WIRED TOOTH PICKS

W. J. Cowee, Berlin, N. Y.
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WIREWORK

Reed & Keller, New York City.
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Komada Bros., Philadelphia, Pa.
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WILLIAM E. HEILSCHER'S WIRE
WORKS, 264 Randolph St., Detroit, Mich.

WHOLESALE FLORISTS**Albany, N. Y.**

Albany Cut Flower Exchange, Albany, N. Y.
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Baltimore

The S. S. Pennock-Meehan Co., Franklin
and St. Paul Sts.
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Boston

N. F. McCarthy & Co., 112 Arch St. and
31 Otis St.

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Welch Bros. Co., 226 Devonshire St.
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Brooklyn

Wm. H. Kuebler, 28 Willoughby St.
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Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.
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Chicago

Poehlmann Bros. Co., Morton Grove, Ill.
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Cincinnati

C. E. Critchell, 34-36 Third Ave., East.
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Detroit

Michigan Cut Flower Exchange, 38 and 40
Broadway.

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New York

H. E. Froment, 57 W. 28th St.
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James McManus, 105 W. 28th St.
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B. S. Slinn, Jr., 57 West 26th St., N. Y. City.
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W. F. Sheridan, 133 W. 28th St.
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P. J. Smith, 49 West 28th St., N. Y.
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Moore, Hentz & Nash, 55 and 57 W. 26th St.
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Charles Millang, 55 and 57 West 26th St.
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W. P. Ford, New York
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The S. S. Pennock-Meehan Co., 117 West
28th St.

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WHOLESALE FLORISTS—Continued**New York.**

Traendly & Schenck, 131 W. 28th St.
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Badgley, Riedel & Meyer, Inc., New York.
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Woodrow & Marketos, 37 & 39 West 28th St.
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J. K. Allen, 106 W. 28th St.
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George C. Siebrecht, 109 W. 28th St.
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John Young, 53 West 28th St.
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M. C. Ford, 121 West 28th St.
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Guttman & Reynor, Inc., 101 W. 28th St.,
New York.

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Philadelphia

Leo, Niessen Co., 12th and Race Sts.
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Edward Reid, 1619-21 Ranstead St.
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The S. S. Pennock-Meehan Co., 1608-20
Ludlow St.

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Richmond, Ind.

E. G. Hill Co.
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Rochester, N. Y.

George B. Hart, 24 Stone St.
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Washington

The S. S. Pennock-Meehan Co., 1216 H St.,
N. W.

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New Offers In This Issue**BARRIE LAWN RAKE.**

George N. Barrie, Brookline, Mass.
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GENISTAS AND PRIMULAS.

A. L. Miller, Jamaica, N. Y.
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GLADIOLUS.

Rowehl & Granz, Hicksville, L. I., N. Y.
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HEADQUARTERS FOR PLANT STAKES.

Henry F. Michell Co., Philadelphia, Pa.
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JONES' RESERVOIR VASES.

M. D. Jones Co., Boston, Mass.
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LILY OF THE VALLEY FOR EASTER FLOWERING.

Fottler, Fiske, Rawson Co., Boston, Mass.
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REAL BUTTERFLIES.

New England Entomological Co., Jamaica
Plain, Mass.

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ROSE SPECIALS.

S. S. Pennock-Meehan Co., Philadelphia, Pa.
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SEASONABLE PLANTS.

North Shore Florist and Nursery Co.,
Beverly Farms, Mass.

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SWAS TEEKA BRAND CANNAS.

The Conard & Jones Co., West Grove, Pa.
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TREE TUBS AND BRASS HOOP JARDINIERS.

American Woodenware Mfg. Co., Toledo, O.
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WHOLESALE FLORIST.

Stuart H. Miller, 1617 Ranstead St., Phila-
delphia, Pa.

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WAGON FOR SALE

A closed panel top florists wagon.
It is in first class condition and
will be sold cheap.

J. M. WARD & CO.

Peabody, - - - - - Mass.

HELP WANTED**FLORISTS WANTED**

Must be experienced and with written
references. Apply at C. C. Trepel's Cut
Flower Department, care Bloomingdale
Bros., 59th St. and 3rd Ave., New York
City.

WANTED—Expert inside and outside
gardener on small suburban place near
Philadelphia containing large collection of
plants. Must be willing worker and also
capable of taking charge in owner's ab-
sence. State nationality, age, education,
experience, references and wages wanted.
Thorough knowledge of hardy, also of
greenhouse plants needed. Reply to X,
care HORTICULTURE.

GARDENERS WANTED — Only single
men need apply for these positions, and in
all cases the positions are only for the sea-
son of 1915. A Vegetable Grower; Two
Head Gardeners for Private Places; Two
Second Men for Country Club. State age,
nationality, experience and salary wanted.
CARL RUST PARKER, 910 Fidelity Bldg.,
Portland, Me.

SITUATIONS WANTED

POSITION DESIRED as Superintendent
or Head Gardener by first-class man, 25
years' experience in all branches under
glass and outside—Fruit, Flowers, Plants,
Vegetables and Pleasure Grounds. Fully
capable of managing estate. Excellent tes-
timonials as to ability, sobriety, England
and America. English. Married; small
family; age 40. L., care HORTICULTURE.

WANTED—To recommend married man
as gardener for first-class place. English.
One child. R. HEIDKAMP, Superintendent,
H. W. Boettgers' Estate, Riverdale-on-Hud-
son, N. Y.

FOR SALE**FOR SALE**

5½ acres of land, 4 greenhouses, about
25,000 ft. of glass; boiler house 35x50
concrete blocks; cellar under all. Return tubu-
lar boiler brick set; will heat 40,000 ft.
of glass. Good supply of water. Few feet
from R. R. siding and about 30 miles from
N. Y. City. Plenty of young stock. Six
thousand dollars required, rest on easy
terms. Renters need not apply.
KRAMER BROS., Farmingdale, L. I., N. Y.

SIX GREENHOUSES FOR SALE.

Containing 25,000 Carnation plants. One
24 x 170; two 24 x 120 each; one 24 x 100;
one 20 x 85; glass 16 x 24. One dwelling
house, seven rooms, and one of six rooms.
Barn 50 x 100; 65 acres of land; R. R. sta-
tion and siding in front of land. Very easy
terms. 26 miles from Boston. M. N., care
"Horticulture."

FOR SALE—Fresh from factory, new;
10 x 12, 16 x 18, 16 x 24, double thick. A
and B qualities. Market dropped. Now is
the time to buy and save money. PAE-
SHELSKY BROS., INC., 215-217 Have-
meyer St., Brooklyn, N. Y.

MISCELLANEOUS

WANTED to buy a greenhouse estab-
lishment, not less than 30,000 ft. of glass,
modern houses, in good repair. State full
particulars and terms in first letter. R. E.,
care HORTICULTURE.

PROPOSALS WANTED.

TREASURY DEPARTMENT. Office of
the Supervising Architect, Washington, D.
C., February 26, 1915.—Sealed proposals
will be received in this office until 3 o'clock
P. M., March 20, 1915, and then opened for
planting trees, shrubs, etc., on the grounds
of the United States Post Office Buildings
at Woonsocket and Westerly, Rhode Island,
Malone and Hudson, New York, and Chel-
sea and Athol, Massachusetts, in accord-
ance with drawings and specifications,
copies of which may be had upon applica-
tion to the respective Custodians of the
buildings, or at this office. O. W., care
Supervising Architect.

Spring Trade and Easter Number, March 20

PUBLICATIONS RECEIVED.

The Proceedings of the Sixteenth Annual Convention of the American Association of Park Superintendents, held at Newburgh, N. Y., August 24-27, 1914, has been received from Secretary Cotterill. Full page portraits of President Amrhn and the secretary are inserted as well as a page of portraits of six vice-presidents. An interesting volume.

West Chicago Park Commissioners. The 55th Annual Report of the work on this great park system is, as usual, very interesting and profusely illustrated by full page views of objects of interest in the park, planting scenes, playground activities, etc. A. C. Schrader is superintendent and engineer and Jens Jensen is consulting landscape architect.

Bulletin 160 of the Agricultural Experiment Station of the Rhode Island State College deals with the comparative effect on different kinds of plants of liming an acid soil. Experiments covering many years are described and results summarized. These tabulated facts with the illustrations accompanying them will be found very valuable by those of our readers interested in soil fertility problems. Copies may be had free upon request to the College, Kingston, R. I.

The Brooklyn (N. Y.) Botanic Garden is doing some excellent educational work by the issuance from time to time of leaflets on various subjects of horticultural interest. "Heredity, Variation and Environment," "Hedge Plants," "Window Boxes," "Grafts, Grafting and Graft Hybrids," are examples of the titles of some of those most interesting to the professional gardener. Current numbers of these leaflets are free to all who wish them. The back series, complete, may be had for 50 cents.

Practical Talks on Farm Engineering. By R. P. Clarkson, B. S., Professor of Engineering at Acadia University, Nova Scotia. In this volume, Doubleday, Page & Co., have added one more very useful book to the series of practical works on horticultural subjects for which this publishing house is well known, for it is by no means a book of value to the farmer alone but will interest and instruct anyone who has to deal with the proper preparation, planting and general care of grounds of any great extent whether for utility or beauty. The contents of the book are based largely on matter previously written by the author for various periodicals. The list of topics includes Farm Buildings and Building Materials, Water Supply and Sewage Disposal, Mechanical Power, Drainage and Irrigation, Road Building, Orchard Heaters, etc., covered in detail in twenty-five chapters. There are forty-three illustrations and seven useful tables for engineering calculations which will be found very useful for frequent reference. The cost of the book is \$1.20 net. Copies may be obtained from the office of HORTICULTURE

You ARE SURE of Good RESULTS

If You Use
DIAMOND BRAND COMPOST

WELL-ROTTED HORSE MANURE
Dried—Ground—Odorless

For mulching it cannot be equaled as it is nutritious, immediate, and convenient to handle. Always ready for mixing with soil for potted plants and soil for benches. Largely HUMUS, rich in plant foods and positively free from weed seeds. It also makes a rich liquid manure. Write for Circular "B" and prices.

NEW YORK STABLE MANURE CO
273 WASHINGTON STREET. JERSEY CITY, N. J.



NIKOTEEN For Spraying APHIS PUNK For Fumigating

ASK YOUR DEALER FOR IT.

NICOTINE MFG. CO. ST. LOUIS, MO.

CATALOGUES RECEIVED.

Clifford E. White, Grosse Ile, Mich.
—Condensed Catalogue of Dahlias.

F. & F. Nurseries, Springfield, N. J.
—Trade List of F. & F. Department of the American Nursery Co.

Wm. Toole & Son, Baraboo, Wis.—
1915 Guide to Pansy Culture and Catalogue of Seeds and Plants.

George H. Walker, North Dighton, Mass.—Catalogue of Dahlias, accompanied by 1915 Supplement.

J. F. Noll & Co., Newark, N. J.—
Annual Catalogue of Seeds, Plants, Bulbs and Poultry Supplies.

W. Atlee Burpee, Philadelphia, Pa.—
War Bulletin. Seeds of which supply has been received since 1915 catalogue was sent out.

E. Neubert, Wansbek, near Hamburg, Germany—Illustrated Wholesale Price List of Ferns, Begonias and other florists' plants.

F. H. De Witt & Co., Wooster O.—
Catalogue and Price List of Pelargoniums and Geraniums for 1915. Contains an attractive color plate of fancy Pelargonium Wurttembergia.

Peter Henderson & Co., New York City—Farmer's Manual for 1915. An attractive catalogue with characteristic originality and boldness of exterior and very complete in its scope.

Wm. H. Moon Co., Morrisville, Pa.—
1915 Illustrated Catalogue of Hardy Plants for Every Place and Every Purpose. A beautiful publication, embellished with many handsome illustrations.

Rockmont Nursery, D. M. Andrews, Boulder, Colo.—1915 Catalogue of Western Grown Ornamental Trees, Shrubs and Hardy Herbaceous Plants. An illustrated catalogue of exceptional interest.

Framingham Nurseries, Framingham, Mass.—1915 Spring Catalogue and Trade Price List for Nurserymen, Dealers, Florists and Landscape Archi-

ects Only. Trees, Shrubs, Evergreen Vines and Roses.

Moore Seed Co., Philadelphia, Pa.—
"Wholesale Price List of Seeds for Market Gardeners and Florists." Devoted exclusively to market garden and farm seeds. Florists' Wholesale Price List is published separately. Covers in red ink.

Bertrand H. Farr, Wyomissing, Pa.—
Illustrated Price List of Hardy Garden Plants. This is one of the daintiest and most "classy" catalogues that reaches our desk. This year it is better, if that were possible, than any of its predecessors. Irises and peonies figure largely in the contents and the lists are a standard by which the hardy garden planter may be safely guided. A number of full page illustrations in natural colors add beauty and interest to the book.

At the monthly meeting of The Medford (Mass.) Horticultural Society on February 23, Wm. N. Craig of Brooklyn gave a lecture on "The preparations of soils for spring planting; how, when and what to plant." Mr. Craig spoke for about an hour, strongly condemning the slipshod manner in which farm and garden soils are quite often prepared for planting. His remarks on insects and other pests, with remedies for combating them, were especially instructive. His experiences with various manures and fertilizers, in the growing of crops and dressing of lawns, was one the members of the society, were greatly interested in, as they had discussed the question at previous meetings. Mr. Craig answered questions for nearly an hour after his lecture, on troubles in the garden.

GEORGE F. SIEWART.

One of the many good features of "HORTICULTURE" is, that those who contribute to its columns always "say something" when they write. I take this opportunity to offer sincere congratulations. "May your shadow never grow less."

Sincerely yours,

New York.

P. F.

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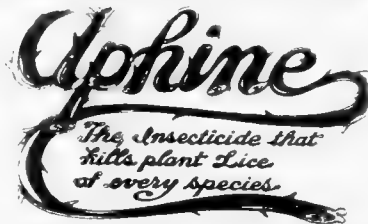
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HENRY A. DREER, Seeds, Plants, Bulbs, and Supplies, 714 Chestnut Street, Philadelphia, Pa.**Obituary**

Charles E. Bessey

Nebraska is in mourning. Dr. Chas. E. Bessey, Professor of Botany and Dean of the Nebraska University, died on Feb. 25th. He was a student of Asa Grey and since his death was probably the leading botanist of America. He was born in Ohio in 1845. Became professor of botany in the Iowa Agricultural College. In 1882 he came to the Nebraska University. He did not confine himself to botany but was intensely interested in forestry, horticulture and floriculture. We always depended on him. He was a man of large experience and wide acquaintance. He reared an army of scholars who now occupy prominent places. He was a genial, cheerful and helpful man. One of his last public acts was at the great banquet of organized agriculture where the writer was the guest of honor, when Dr. Bessey, the leading speaker, paid such a beautiful tribute, which is one of the happiest memories of my life. Surely I have lost a friend.

C. S. HARRISON.

York, Neb.

Arthur T. Vick.

A. T. Vick, until recently engaged in the florist business in Albion, N. Y., died in the hospital in Buffalo on February 16, aged 57 years.

The Frank G. Smith Forestry Company of Phenix, R. I., suffered a loss by fire and water in the three-story block on the night of Feb. 25, the basement of the building where the headquarters of the firm are located being flooded.

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Jardinieres**The extension stay foot prevents the bottom from rotting. No chance for water to collect and rot the floor.
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Toledo, Ohio, U. S. A.**GREENHOUSES BUILDING OR CON-
TEMPLATED.**

Ithaca, N. Y.—Forest Home Inn, one house.

Ashtabula, O.—Faust & Lockwood, additions.

Grepps, Ill.—Bassett & Washburn, five Foley houses.

Bucyrus, O.—F. J. Norton, Charles street and Kaler avenue.

Long Branch, N. J.—C. H. Walling, Harmony, vegetable house.

Irvington, N. Y.—Wilson's Flower Shop, North St. Clair street, three Lord & Burnham houses.

New Hampton, Ia.—Robinson & Gun-decker, one house 27 x 100, one house 28 x 130. Foley construction.

NEW CORPORATIONS.

Evansville, Ind.—Carnation Support Co., increasing capital stock from \$2,000 to \$5,000.

Phoenix, Ariz.—Texas Cattle & Cactus Co., capital stock, \$100,000. Spineless Cactus Nursery at Pecos, Tex.

New York, N. Y.—National Floral Corporation; capital stock, \$10,000. Incorporators, Adolph L. and Hugo Mock and Harry C. Adams, 220 Broadway.

Port Byron, N. Y.—Holland Dale Garden Company, capital stock, \$50,000. Incorporators, W. B. Freer, Williamson; E. W. Hamm, Lyons; W. F. Burnham, Rochester.

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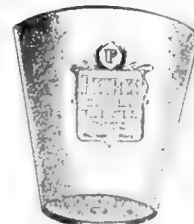
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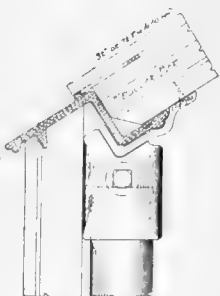
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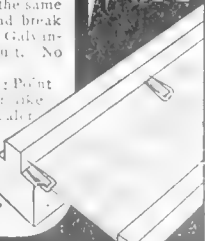
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Vol. XXI
No. 11
MARCH 13
1915

HORTICULTURE



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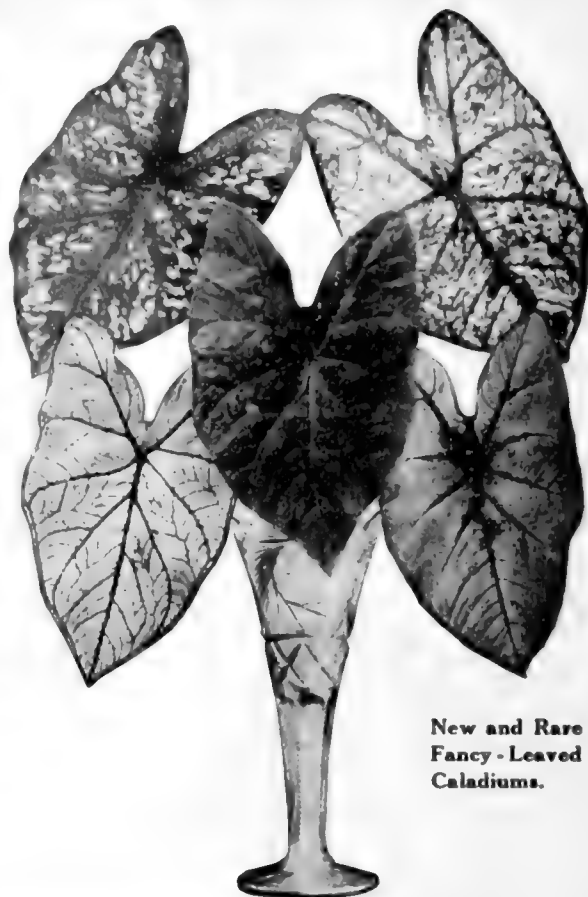
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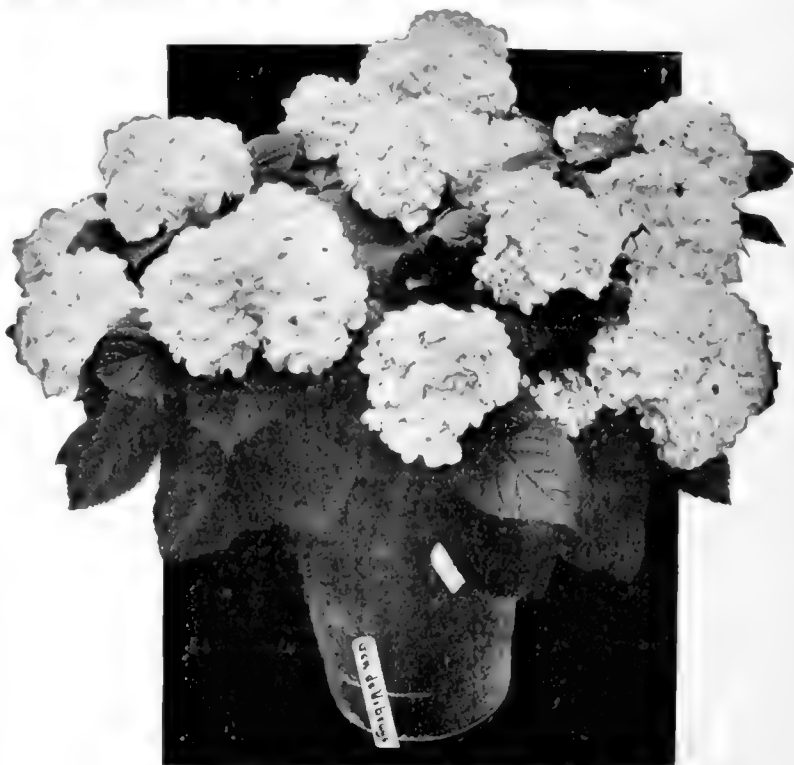
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NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil."—Pope.

Pelargoniums

Plants intended for Easter should have a sunny bench and plenty of room between them. Do not try to force these plants as they will not stand it to any extent. Liquid manure should be applied once a week. Young stock in 2, 3 or 4-inch pots will now be making good progress. Before they get too pot-bound they will want shifts. For a compost they like a good rich soil left rather roughly. Give good drainage and do not forget to fumigate regularly each week but do not fumigate too heavy.

Compost

Much potting and repotting, some benching and bed planting and a deal of hot-bed and frame building and filling is now to be done, for all of which the question of soil is not the least important. Good soil is the foundation on which in starting we rest our hopes for success with plants, ever in doubt afterwards, when failure strikes home as to whether or not the soil used was really good for the purpose. There should be at all seasons, and at this time of the year especially, adequate quantities, properly prepared and ready for immediate use, within handy reach. For the potting of small and tender plants—rooted cuttings in particular—the soil should be of recent bringing in from the open, but should be given time before use to reach a warmth very nearly that maintained in the houses. It should be first moist enough to yield to moderate firming in the pots, not so wet as to noticeably soil the fingers in potting.

Easter Lilies

Although Easter is now near at hand much of the advice extended in previous paragraphs may yet be followed to good purpose. A deal of pushing or retarding may still be practiced with satisfactory results. Lilies, to be right for Easter, should now show well advanced buds, some of these fully developed and beginning to turn white. A short week of continued forcing in from 60 to 65 degrees of heat will bring these to a point when a gradual cooling off will bring the last and very proper step to take. Any lilies more backward, but showing rapidly swelling buds and lengthening stem will need a high temperature and much

attention as to regular sprinkling to bring them in line with the rest of the Easter stock. Lilies already showing opening flowers and white buds are ready to go to a cool shady place, where they will carry through in perfect condition until the Easter trade begins.

Orchids

Miltonias always enjoy a place where they can be near the glass as they love plenty of diffused sunlight, so do not apply too heavy a shade for a while yet; give just enough to cloud the glass. The sun becoming stronger will necessitate more attention as regards watering. Each plant should have a daily inspection. Ventilation serves the double purpose of keeping the right temperature and at the same time supplying a circulation of pure air. Temperature is the orchid growers' infallible guide, so when the right temperature has been reached proper ventilation will be in line. Miltonias like to have a light syringing overhead on all bright days. Give light fumigations once a week to keep thrips under control.

Making Hotbeds

Where several hotbeds are to be made it is best to have them as far as possible in an unbroken, continued line or in several long rows. Less of the heat generated by a large bulk of manure will be lost than with isolated beds and the temperature under the long line of sashes will be better equalized. The heat will be less intense, but will last several weeks longer if the manure is quite strawy, or if tree leaves are inter-spread while building up the manure. A layer, nicely evened out and well trodden down, of about 18 inches in height when finished, will be all-sufficient from now on and less will do if the bed is made later. When you have the manure all in, spread from 4 to 5 inches of soil upon it. Place sashes on and leave air on every second sash. They can be left this way until the violent heat has subsided when they will be ready for seed sowing or the setting of plants.

Pansies

Pansies from seed sown in November or December, and pricked out and grown on should by this time be big enough to plant out in frames. A mild hotbed will help to push them along.

Next Week:—Crotons; Dracaenas; Final Preparation for Easter; Propagating Bougainvilleas; Seedling Tuberous Begonias; Propagating Double Pyrethrum.

SPRING TRADE AND EASTER NUMBER

MARCH 20, 1915

Advertising in the Spring Trade Number is Good Business. It has a
Definite Purpose Which Assures Double Value

MAR 15 1915

HORTICULTURE

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MARCH 13, 1915

NO. 11

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Prosperity real or imagined

We are pleased to note the busy times which, so early in the season, have set in with the seedhouses. It is a most encouraging augury for an old time hasting season when the seedsmen tell of working until midnight and on Sundays to fill orders as has been the case with at least some of them during the past two weeks. Let us hope that the favoring conditions will extend to the nursery and florist trade as well as the seedsmen, as there is good reason to expect. We saw an advertisement in one of our contemporaries last week, offering for sale a large, well built modern mansion, 18 rooms, 2 bath rooms and 9 acres of ground, described as an "excellent location for a florist!" Evidently the widespread popular idea of great wealth in the florist business is still prevalent.

How to get at the good buyers

HORTICULTURE's annual Spring Trade and Easter Special issue is due to appear next week. We make our usual appeal to the advertising trade for such support as they feel justified in according us on this occasion and we hope the response will be a generous one, for it is the advertiser who makes the business wheels go around in an institution such as this and the bigger the advertising patronage the bigger and better will the paper be. The advantage will not be exclusively ours. HORTICULTURE is widely recognized as a very serviceable publication, counting among its readers the brainiest, most progressive men in the field of floriculture in this country, and the advertiser who realizes this fact in its full significance and uses these pages to reach this most desirable class and interest them in his reasonable business offers will find the small expenditure to have been a very profitable investment.

Business promoters

Next week promises to be a lively one. Two big spring flower shows—one in Boston and one in New York, in progress at the same time, banquets in both places, with several important meetings, etc., not to mention lesser affairs in various other places, together with spring trade papers and Easter preparations generally, will suffice to keep some of us on the jump all right. It is gratifying to learn that the big New York enterprise, which involves a heavy expenditure and no small responsibility, is already well provided for, in advance, and that there is, consequently, no fear of a financial set-back—which is never an impossibility when gate receipts are the main source of revenue. The Boston show, housed and financed by the Massachusetts Horticultural Society, presents no cause for solicitude. It is to be regretted that these two affairs should take place at the same time, but this was unavoidable, they tell us. This, however, will not detract from their effect upon the public in bringing to their attention a wealth of floral attractions at this very appropriate time. The influence of the two exhibitions will undoubtedly be a substantial factor in the Easter business in their respective neighborhoods.

NOW BOOST

Advertise Boldly and Convincingly in the

Spring Trade Number of **HORTICULTURE**

The Advance Booster for Reviving Business. Get in and

HELP US PUSH

Callirhoe

The reason for selecting Callirhoe, the Poppy Mallow, as subject of today's note is the everpresent assertion of the utter impossibility of maintaining a rich floral display in herbaceous gardens during the midsummer months. I am well aware of the difficulties in this direction; in fact I admit that without the mixing in of some annuals we cannot succeed in keeping up the gorgeous spectacle witnessed during May and June. If we, however, in most cases exhaust the list of midsummer flowering perennials before resorting to annuals, that is another question. The usual absence of the poppy mallows in our gardens is evidence of our aptness to overlook. Granted that Callirhoe can hardly be classed as more than a filler, it proves a valuable one, for it remains in bloom from late in June until the beginning of fall. Producing saucer-shaped flowers two inches across in lasting profusion this slightly trailing plant, attaining a height of from 12 to 18 inches, with its finely divided foliage can be easily made an elegant border subject. When partly overrunning big rocks on sloping ground it strikes us as being decidedly beautiful.

Belonging to the order Malvaceæ, poppy mallows are natives of our hemisphere. One of its handsomest species—Callirhoe involucrata, syn. Malva involucrata—distinguish-

ed by purplish violet flowers of a bright silky lustre, hails from Texas. Callirhoe lineariloba, the subject of our illustration, on account of its compact habit of growth is in my opinion the best for border and garden planting. The flowers appear in vivid purple and those of the variety alba in pure white.

Poppy mallows can be easily raised from seed sown during February and March. On their permanent place they prefer a light sandy soil, and as their thick roots go down deep the ground should be dug and manured to a depth of not less than two feet. The open sunny exposure is best. According to my experience poppy mallows are extremely useful in maintaining abundance and variety in the floral aspect of borders during our trying hot midsummer seasons. If it is our ambition to make the American garden the richest treasury of beauty and thus help to increase the enjoyment of home-life we must be able to master the material. Success within the modern hardy flower garden is only possible by paying attention to both big and little things. The occasional employment of poppy mallows of course ranks among the latter.

Glenside, Pa.

Richard Rothe

OBITUARY.

Herman Asher.

Herman Asher, a violet grower of Rhinebeck, N. Y., died at his home there, Monday, March 8th. He was an estimable man and held in the highest regard by a host of friends.

James Conlon.

James Conlon, a retired florist and a resident of Brooklyn for fifty years, died at his residence, 62 Dean street, Brooklyn, N. Y., on Monday, March 1, leaving a wife, a son, and five daughters.

William M. Mills.

Wm. M. Mills died in Philadelphia on March 5, aged 68 years. The funeral was held on Monday, March 8, from the home of his brother Mark P. Mills of the W. K. Harris Co., of which concern W. M. Mills was an employee.

S. Swan.

Word has been received of the death of S. Swan at Johnson City, Tenn., on the 27th of February. Mr. Swan was at one time a partner with Johnson & Chronis, Chicago and later was in the employ of J. Mangel, leaving Chicago about five years ago to make his home in the south.

William Roe.

William Roe, florist and civil war veteran, died on February 22, aged 85 years. He was born in Leicestershire, England. He came to this country when 25 years of age and located in Lockport, N. Y., where he resided up to the time of his death, spending forty years of his life in the florist business.

Mary M. Scott.

Mrs. Mary M. Scott, head of the firm of Mary M. Scott & Sons, of St. Louis, Mo., died on Tuesday, March 2, after a short illness of pneumonia, at the age of 79. Mrs. Scott and her son grew Asparagus plumosus for the local

trade. She leaves besides her son Robert one daughter. The funeral took place Thursday from her late residence. Interment was in Calvary cemetery. Friends in the trade attended and extended their sympathy in many beautiful floral offerings.

David Monteith.

David Monteith, one of the old-time noted Boston gardeners, died on March 4 at Hyde Park, Vermont. Mr. Monteith, who was a native of the south of Scotland was for many years gardener on the Nickerson estate at Dedham, Mass., and was a conspicuous exhibitor and prize winner at the exhibitions of the Mass. Horticultural Society on stove plants and hot-house grapes being a sharp competitor of David Allan, George McWilliam and other noted grape growers. He retired about twelve years ago and took up farming on a small scale in Vermont. His age was about 70 years.



STREPTOSOLEN JAMESONII

TO BLOOM SOBRALIA MACRANTHA.

Editor HORTICULTURE:

As a reader of your valuable paper each week I would like to ask you about two quite fair-sized plants of Sobralia macrantha which have not produced a bloom in over two years to my knowledge. They are in 14-inch pots, crammed full of roots, making growths from 6 to 8 feet long and look as healthy as could be. If you could suggest anything that would throw them into bloom I would esteem it a great favor.

Yours truly,

SEEKER.

Sobralia macrantha grows best in a temperature of from 56 to 58 degrees at night during winter and with plenty of light and fresh air at all times. If grown too warm and in too much shade it will make plenty of long, strong growths but few if any flowers. Sobralias are coarse feeders and should be potted in a mixture of good turfy loam two parts, osmunda fibre one part, and a little well rotted cow manure. Some coarse sand or finely broken crocks should be added to this to keep the compost open. Fill the pots about one-third with broken potsherds to give ample drainage, for they require a good supply of water at the roots at all times, and after a plant becomes potbound a weekly application of weak liquid manure will be of great benefit to it.

M. J. POPE.

Naugatuck, Conn.

STREPTOSOLEN JAMESONII.

This old favorite greenhouse shrub is well known to the majority of our readers. It is sometimes known as Browallia Jamesonii. Its gracefully drooping branches with their terminal racemes of bright orange flowers are a familiar adornment of most plant conservatories. Grown in standard form as shown in the picture it makes a very attractive subject. The plant shown was grown by W. N. Craig of Brookline, Mass., and we are indebted to R. & J. Farquhar & Co. for the photograph.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS

Annual Meeting of the Executive Board

The meeting of the Executive Board of the S. A. F. & O. H. was held at the Hotel LaSalle, Chicago, Ill., March 1 and 2, 1915. The following were in attendance throughout the two days' sessions: Patrick Welch, president, Boston, Mass.; John Yerger, secretary, New York, N. Y.; Wm. F. Kasting, treasurer, Buffalo, N. Y.; Ex-President Theodore Wirth, of Minneapolis, and the following named directors, Thomas Roland, Nahant, Mass.; August Poehlmann, Morton Grove, Ill.; J. J. Hess, Omaha, Neb.; J. A. Peterson, Cincinnati, O.; Wm. R. Nicholson, Framingham, Mass.; R. C. Kerr, Houston, Tex.; also the following members under affiliation: Samuel J. Goddard, president American Carnation Society; Irwin C. Bertermann, president Florists' Telegraph Delivery; George Burton, president Florists' Club of Philadelphia; H. H. Bartsch, president Gardeners' and Florists' Club of Boston.

The Board, besides the usual routine matters coming up at the annual meeting, had before it arrangements for the Thirty-first Annual Meeting of the S. A. F. & O. H. to be held in San Francisco on August 17, 18 and 19, 1915, and also the Fourth National Flower Show which is to be held in Philadelphia, March 25 to April 2, 1916. The National Flower Show committee held its own session, but certain important matters considered by it were referred to the general Board of the S. A. F. for approval.

The reception by the Chicago florists of the S. A. F. Executive Board, the National Flower Show Committee and the Board of Directors of the Florists' Telegraph Delivery was most hospitable and elaborate. Notwithstanding the courtesies tendered by the Chicago florists, the Board transacted a great amount of detail business, its sessions were harmonious, and the results of its deliberations cannot fail to be beneficially felt throughout the coming year.

Daniel MacRorie, San Francisco, Calif., Wallace R. Pierson, president American Rose Society, and Harry A. Bunyard, president New York Florists' Club, were unavoidably absent, to the regret of all.

Mr. MacRorie telegraphed and also wrote the Board explaining his absence and stating that he expected to attend the Flower Show in New York on the 17th inst. He advised that Superintendent John McLaren, San Francisco, is now preparing ground for a fine convention garden. Mr. MacRorie's correspondence indicates that he is vigorously at work and that the San Francisco meeting will be up to the usual standard of the S. A. F. and probably have some additional peculiarly California features that will render it most attractive.

Charles W. Johnson, secretary Chry-

santhemum Society of America, called the attention of the Board to the annual meeting and exhibition of the C. S. A. to be held at Cleveland, Ohio, November 10-14, 1915; also exhibit under auspices of the C. S. A. in conjunction with the gardeners and florists of the Pacific Coast to be held next fall at the Panama Pacific International Exposition, San Francisco, on dates not yet determined and asking for co-operation from the S. A. F. Mr. Johnson predicts that the exhibitions will be a big success.

The communications were referred to the National Flower Show Committee, the S. A. F. Board, however, authorizing the National Flower Show Committee to offer a certain number of medals.

A communication was received from the Pathologist, Prof. H. H. Whetzel, which was referred to the program committee. The report of Treasurer Kasting showed the finances in good condition and an increased reserved fund on hand.

On motion of Mr. Kasting a committee of three, consisting of John Young, New York, J. J. Hess, Omaha, Neb., Robert C. Kerr, Houston, Tex., was appointed on trade exhibition to be held in conjunction with the San Francisco meeting, to report as to rates for space, etc. This committee recommended the adoption of the same rules that prevailed at the exhibition at the convention in Boston and that the same 40c. per square foot be charged for space, which on motion of Mr. Goddard was concurred in.

A motion was adopted to dispense with the reading of essays at the San Francisco meeting but to invite a limited number of prominent people to prepare such essays, the same to be furnished in advance of the meeting in time for publication in the various trade papers. On motion of Ex-President Wirth a committee of five on program was appointed, consisting of John Young, chairman, New York; Daniel MacRorie, San Francisco; August Poehlmann, Chicago; Wm. R. Nicholson, Framingham, Mass., and George Burton, Philadelphia, Pa.

At Monday afternoon's session the correspondence of Mr. MacRorie was received and on motion of Mr. Bertermann it was referred to the proper committee, with thanks to Mr. MacRorie. Some members of the Board present stated that they had good reason to know and they believed that hotel rates in San Francisco would not be excessive or above the ordinary schedule prevailing at other times than during the Exposition. On motion of Mr. Nicholson the Chair appointed the following committee on publicity: George Burton, president Florists' Club of Philadelphia, chairman; Irwin Bertermann, president Florists' Telegraph Delivery, India-

napolis, and Wm. F. Kasting, Buffalo, N. Y.

A resolution was presented from the National Flower Show Committee, the details of which cannot be made public at this time but which will have an important bearing upon the success of the National Flower Show which Past President George Asmus in presenting the report of the National Flower Show Committee, predicted would be far ahead of any previous National show. The chairman of the National Flower Show Committee, George Asmus, presented for the consideration of the Board his plans in general. These received the hearty approval and unanimous endorsement of the Board, and Mr. Asmus was highly complimented upon his successful attention to all details looking to the most efficient management of the National Flower Show.

Messrs. Wirth and Hess were appointed auditing committee to pass upon the reports of the secretary and treasurer, and they reported that the accounts were correct and in first-class shape, also making some detailed recommendations, which were adopted. The usual routine appropriations came up for action and after thorough discussion were duly acted on and suitable appropriations made.

R. C. Kerr reported quite at length in regard to the energetic work he has been doing in Texas in the shape of organizing. In the course of this report he referred to the possibility of the organization of sectional associations. This brought out a spirited discussion in which a number of the members participated, and the result of the discussion was that Mr. Kerr expressed himself as thoroughly in accord with the recent broad movement toward nationalism and the dominance of the parent Society, the same not to interfere with complete autonomy on the part of state or other florists' associations, all of which are invited to come into the fold under the affiliation plan, which at the close of the discussion Mr. Kerr acknowledged the paramount advantages of and expressed himself as having gained much from the discussion and as prepared to go back home and push organization harder than ever.

A lengthy talk over the various proposed routes to San Francisco was had, Guy French, Secretary Chicago Florists' Club, appearing before the Board and explaining the careful work that the Chicago local association had done with a view of arranging for Chicago to be the nucleus or meeting point where all eastern florists could converge and from there either go as they please or join in the general arrangements. After full discussion the Board endorsed the route selected by the Chicago Club as probably the best that can be had, although this of course

will not prevent individuals from making their own arrangements. On motion, the Chair appointed three representatives in the East as an addition to the Chicago Clubs' Committee on Transportation and who will furnish eastern members all information in their power regarding the trip, viz.: H. H. Bartsch, President Gardeners' and Florists' Club of Boston; George Burton, President Florists' Club of Philadelphia, and Harry A. Bunyard, President New York Florists' Club.

At the Tuesday morning session of the Board several representatives of subsidiary societies announced that it was not their intention to hold special meetings of their societies at San Francisco, further than to participate in the general meeting of the S. A. F. In response to a telegram sent Daniel MacRorie by a special committee, Mr. Wirth and Mr. Young, the latter announced that a reply had been received from Mr. MacRorie that the Local Committee on Convention Garden will undertake to carry out the same on the same basis as it was carried out in Minneapolis. At the suggestion of Mr. Roland, Theodore Wirth was appointed by the Chair as a representative of the Board of the S. A. F. to act in conjunction with the Local Committee on Convention Garden at San Francisco.

On motion of Secretary Young it was ordered that the awards to be given for the Exhibits in the Convention Garden be in the form of medals or certificates, and that no cash prizes be awarded. Judges of the Convention Garden and Trade Exhibition, the Chair announced will be appointed later as soon as it is ascertained what members of the S. A. F. will positively attend at San Francisco. J. A. Peterson, Cincinnati, offered a suggestion as to the possibility of having an exhibition where new plants could be exhibited and judged once every month, which he thought would be a great benefit not only to the grower but also to purchasers of new plants. Mr. Peterson stated that he personally knew of plants sent out under three or four different names when they were all practically the same plant. This suggestion was quite generally discussed by the Board, and a special committee, Messrs. Wirth, Kasting and Roland were appointed to take this matter under consideration.

Mr. Peterson also brought up a matter regarding which he has had considerable correspondence with various members of the S. A. F. & O. H. as to the provisions in the classifications of the express companies regarding growing plants not in pots or tubs, placed in boxes and the sides and ends of which are as high or higher than the plant, and slats nailed on the top completely protecting the plant, which are rated as second class by the express companies, while growing plants in pots or tubs, plants in receptacles crated, are rated first class. He believed that plants in pots carefully packed should be carried as second-class matter, giving reasons for same. After considerable discussion this matter was referred to the Tariff and Legislative Committee.

Wm. F. Gude, who was present at this session, having arrived one day late through a misunderstanding as to the date of the meeting, reported certain correspondence that he had

had on the above matter with the Interstate Commerce Commission, advising that they had it under investigation. Wm. F. Kasting thought it might be a good idea to appoint a committee to take measures to obtain a new rating from the insurance companies on greenhouses of modern construction. It was the general consensus of opinion that the former rates were now too high, the same having been established at a time when greenhouses were a much more hazardous risk than under the present improved construction of concrete, etc. No action was taken on this suggestion at this time.

Mr. Wirth moved that there be a permanent Standing Committee on Convention Garden similar in point of numbers and in tenure of office to the National Flower Show Committee. The discussion on this motion brought out the general approval in which the whole subject of the Convention Garden is held and its possibilities as a general advertising feature as well as the public benefits to be derived. The motion was seconded by Mr. Roland and unanimously carried.

At the final session of the Board, Tuesday afternoon, Ex-President Wirth brought up a subject very dear to his heart, by asking for an expression of opinion from these present in regard to the suggestion that Mr. Wirth made in his President's Address at Boston, namely, his belief that the name of the S. A. F. & O. H. should be changed so as to refer to horticulture only. Great deference was paid to Mr. Wirth's feeling in this matter, but the result of an extended discussion was confirmation of the fact that the majority's sentiment was strongly opposed to any change of name. Mr. Gude bringing out very forcibly that such a change would not only be repugnant to the traditions of the society and the sentiment of the membership at large, but would require the taking out of a new charter which might even endanger the national character of the charter, the S. A. F. & O. H. being the only society of its kind which had been favored with a charter from the National Government adopted by act of Congress only after years of effort by the late lamented Wm. R. Smith.

Mr. Wirth, although fondly cherishing his desire for stronger reference in the society's name to horticulture pure and simple, stated that he would bow to the will of the majority in the matter until he could present stronger arguments for a change.

On motion of Secretary Young an adjourned meeting of the Board was authorized to be held at the time of the Flower Show in New York.

The Committee on Final resolutions, Irwin Bertermann, chairman, reported resolutions of thanks to the Local Committee of the Chicago Florists' Club for courtesies and hospitality; also a vote of thanks to the National Flower Show Committee for their presence and work, and to the Florists' Telegraph Delivery Executive Committee for their attendance; all of which was unanimously adopted by rising vote.

The Board adjourned feeling that the meeting had been a most satisfactory one from all standpoints and that good work had been accomplished.

JOHN YOUNG, Secretary.

NATIONAL FLOWER SHOW COMMITTEE.

The meeting of the National Flower Show Committee was held at the Hotel La Salle, Chicago, Illinois, at 2 o'clock, P. M., March 1, 1915, Chairman George Asmus presiding. All members of the committee were present with the exception of Messrs. Charles H. Totty and W. N. Rudd.

The discussion at this session was entirely devoted to a consideration of the adaptability of the building to be selected for the Fourth National Flower Show which is to take place in Philadelphia, March 25th to April 2nd, inclusive, 1916. As a result of the work of this session instructions were issued to the Lease and Contracts Committee, Messrs. Farenwald, Kasting and Craig, who have been doing energetic work and who reported that preliminary arrangements with reference to the lease of the building had been considered and are being pushed with all possible dispatch.

The second session of this committee was held at 1.30 P. M. on Tuesday, March 2nd, 1915, at the same place. A matter of special importance that was considered at this session was the rates for space at the Trade Exhibition to be held in connection with the National Flower Show. After a full discussion it was finally determined that inasmuch as the exhibition will be held on one floor a uniform price of one dollar per square foot would be charged, first come first served. It is believed that this price will be satisfactory to all concerned, and Mr. Young reports that he has received a gratifying number of applications for space with every prospect of plenty more coming, and as no favors will be shown, it is up to exhibitors to get their applications in early. The question of admission of artificial flowers, etc., on equal terms with natural flowers was debated from all viewpoints and it was the consensus of opinion that while no discrimination would be made and artificial flowers would be admitted on equal terms, it was suggested that a better display would be promoted by segregating the artificial flowers from the natural flowers in a special department of their own.

On motion of Mr. Kasting, the chairman and secretary were authorized and instructed to raise a guarantee fund for the National Flower Show in the amount of \$10,000 and that in the call to be sent out the purposes for which the guarantee fund is to be raised shall be fully specified, and that all florists throughout the country be invited to participate in subscriptions to this guarantee fund. It was also agreed that all funds in connection with the National Flower Show shall be turned over to and handled by the treasurer of the S. A. F. and O. H.

The announcement was made by the American Carnation Society that they will bring their jubilee meeting to Philadelphia, in consideration of which on motion of W. P. Craig it was ordered that the former action taken by the National Flower Show in reference to the American Carnation Society's exhibit and awards on condition that they would hold their regular annual meeting in conjunction with the National Flower Show in Philadelphia, in March, 1916, be reconsidered and that

the same same day, but to that society as well. It was decided to allot to them a few minutes, and that the allotment of the same was left to the officers of the American Carnation Society. A collection of the awards made to be sent to the National Flower Show Committee. All collections in this behalf are to be turned over to the treasurer of the S. A. F. and O. H. and all disbursements to be made by the same officer. It was believed that this plan would avoid some confusion which has heretofore arisen in handling these matters as between the two associations.

Mr. Farenwald suggested that it would be a great mistake to interfere with the rules of the separate subsidiary societies. The rules of the American Carnation Society were accepted as governing the exhibits by its members at the National Flower Show, with the exception of rule three, which reads: "Only members of the American Carnation Society are eligible to compete for prizes, medals or certificates." Secretary Young voiced the sentiment of the committee that the endorsement and co-operation of the retailers generally throughout the country was realized as being of the greatest assistance, and the National Flower Show Committee pledged itself to do everything possible to look after their interests.

At the request of Chairman Asmus, Secretary Young read the typewritten instructions formulated by Chairman Asmus covering in detail the work of the respective sub-committees of the National Flower Show Committee. The full details covered in these programs of work for the committees evidenced the great foresight and thorough manner in which these instructions had been worked out by Mr. Asmus, and they were the subject of general commendation and approval. Charles H. Fox, Chairman of the Committee on Publicity, addressed the committee, outlined what he expects to do, and expressed the greatest enthusiasm and confidence in the work that will be done by his committee proving most effective. Chairman Asmus invites suggestions from all quarters that may conduce to the furtherance of the Show.

Instructions to the several sub-committees were endorsed by formal motion and the chairman directed to send them out. The chairman of the Special Program Committee, W. P. Craig, made a report showing the progress to date, and giving a large list of firms who have already contributed special prizes. Mr. Craig reported that the business men of Philadelphia are generally enthusiastic over the show and anxious to co-operate. A resolution was unanimously adopted instructing the secretary to write Messrs. W. N. Rudd and Chas. H. Totty the regrets of the committee at their inability to be present through illness and then to convey to them the best wishes of the committee and the hope that they would soon be completely recovered.

JOHN YOUNG, Secretary

Luncheon.

The Chicago florists were most assiduous in their attention to an entertainment of the members and guests of the Board Executive of the S. A. F. & O. H., the Executive Board of the

Florists' Telegraph Delivery and the National Flower Show Committee. Besides various luncheons and a smoker, an elaborate luncheon, which might more properly have been termed a banquet, was tendered by the Chicago Florists' Committee at the Hotel LaSalle, at 1 P. M., Wednesday, March 3, 1915. The Committee for the Chicago Florists' Club having this special function in charge were Messrs. Ernst Weinhoeber, George Asmus and August Pochlmann.

After a most appetizing spread, George Asmus, as toast-master, called upon the following gentlemen, all of whom made remarks that were out of the ordinary after-dinner speeches, inasmuch as they abounded in suggestions of a business character that were most timely and interesting, these speakers being Philip Breitmeyer, Detroit, Mich.; A. Pochlmann, secretary F. T. D., Detroit, Mich.; George E. M. Stumpp, director F. T. D., New York; E. G. Hill, Richmond, Ind.; J. C. Vaughan, Chicago, Ill.; Patrick Welch, president S. A. F. & O. H., Boston, Mass.; August Pochlmann, director S. A. F. & O. H., Chicago, Ill.; John Young secretary S. A. F. and O. H., New York; Wm. Kroeschell, Chicago, Ill.; Wm. F. Kasting, treasurer S. A. F. & O. H., Buffalo, N. Y.; George Sykes, Lord & Burnham Co., Chicago, Ill.; Wm. F. Gude, Washington representative S. A. F. & O. H., Washington, D. C.; Charles H. Fox, chairman Publicity Committee, National Flower Show, Philadelphia, Pa.; L. D. McNeff, McNeff-Swenson Co., Chicago, Ill.; Thos. Roland, director S. A. F. & O. H., Nahant, Mass.; W. W. Barnard, seedsman, Chicago, Ill.; Theodore Wirth, ex-president S. A. F. & O. H., Minneapolis, Minn.; Ernst Weinhoeber, director F. T. D., Chicago, Ill.; J. J. Hess, director S. A. F. and O. H., Omaha, Neb.; H. H. Bartsch, president Gardeners' and Florists' Club, Boston, Mass.; George Burton, president Florists' Club, Philadelphia, Pa.; Irwin Bertermann, president F. T. D., Indianapolis, Ind.; A. Farenwald, Roslyn, Pa.; Alexander Henderson, seedsman, Chicago, Ill.

The first preliminary schedule of the plant classes and premiums for the Fourth National Flower Show, to be held in Philadelphia, March 25 to April 2, 1916, has been issued by Secretary John Young. This includes sections A to N inclusive. The schedule is issued thus early to give plant growers full time in which to prepare their exhibition stock. All who are interested should send to John Young, 53 West 28th street, New York for a copy at once.

The publicity work for the New York Spring Show seems to be in very enterprising hands. The city and the countryside away out in Jersey and Long Island are liberally placarded with flower show posters and all the metropolitan dailies are giving more than customary space to the promised event. A little disposition to fall back on the sensational, regardless of truth, should be promptly vetoed by the Horticultural Society of New York and the New York Florists' Club, whose members have no desire to be held responsible for wierd fables about uncanny floral freaks.

Clubs and Societies

NEW YORK FLORISTS' CLUB.

The meeting of this club on Monday evening, March 8, was in some respects a record breaker. The hall was crowded almost to the limit, and some of the proceedings approached the spectacular. From the spirited joviality which prevailed one would never dream that there was anything the matter with business or that the members knew what it was to be burdened with a care. From the president down to the youngest recruit it was "snap and go" from start to finish. The commissary department, under the management of Phil Kessler and a retinue of busy assistants, contributed its full share to the general congeniality, and at the close each member carried away a stein, presented with the compliments of the house committee.

The principal attraction of the evening was a stereopticon lecture by J. Ross Lynch on the Panama-Pacific Exposition. Beautifully colored views in great numbers were thrown upon the screen depicting the buildings and other features of the great fair, as well as views of the canal itself and the picturesque scenery on the various transcontinental routes from the East to San Francisco.

The Spring Flower Show, now close at hand, came in for considerable discussion in the final details of preparation, all of which seem to be well in hand, and the various committees working harmoniously and enthusiastically to that end. F. R. Pierson as chairman of the general committee, reported that the sales of space in the trade section amounted to \$8300 up to date, and advertising in the souvenir program \$1700. A total of over \$2000 had been contributed in special premiums and \$1200 worth of trade tickets had already been sold. M. W. Colwell, who has charge of the publicity work, made an address on this subject which was very clever and witty, and made an excellent impression. The "booth" committee was granted an appropriation of \$200 for the completion of their plans.

The exhibition tables were but sparsely furnished. It has been announced that this was to be "rose night" and rose growers were invited to show their specialties, but not a solitary rose was there. Van Waveren & Son were represented by vases of tulips De Wet, Flamingo and McKinley, and Poetaz Narcissus Mignon; Max Schling showed a fine cocos, Frank Linda sent a vase of his new white carnation Peace, and there was a vase of beautiful mixed Spencer sweet peas from A. C. Zvolanek. The absence of the roses furnished Max Schling the opportunity for an inimitable burlesque report on the beauties of the imaginary exhibits, which was simply a scream from beginning to end in its droll comicality, and all the funnier because of the seriousness with which it was taken by certain members. The next meeting will be "sweet pea and orchid night."

Various committees reported progress. The "outing" will take place at Witzel's Point View Grove on July 14. Everything is ready for the annual dinner, Saturday evening, March 20. Five new members were nominated.

PITTSBURGH FLORISTS' AND GARDENERS' CLUB.

The regular meeting of this Club was held on March 2d. Carl Becherer, gardener at Dixmont Hospital, showed cyclamen in different colors and forms. All the cyclamen he showed were either unusually floriferous, or novel in the shape and size of their blooms. He also showed tulips, hyacinths and some good carnation seedlings. He was awarded a cultural certificate for cyclamen. T. Tyler, gardener for C. D. Armstrong, showed seedling cypripediums, *Dendrobium nobile virginale*, and *Odontioda Bradshawae*. He was awarded a cultural certificate for the cypripediums. The Bureau of Parks, per Jno. W. Jones, foreman, showed hyacinths *La Victoire* and *Correggio*, a white with very large bells, *Prince of Austria*, his favorite single tulip; daffodils, and *Matador*, a dark red, very fine cineraria.

An interesting discussion took place between Mr. Jones and Mr. Becherer, Mr. Jones claiming that tobacco stems in a greenhouse, especially when wet, were of no value as an insecticide, and Mr. Becherer saying he would not attempt to run a greenhouse without them. A talk was given on the "Cities of Germany," illustrated by colored lantern slides, by Dr. Emil Krapf, who gave the interesting talk on "Radio Active Earth," at the February meeting. Mr. Jones showed two plants of salvia; one grown in Radio-Active earth, the other not. They were passed around among the members that the difference might be noted, which was in favor of the one grown in the earth treated with the Radio-Active fertilizer.

At the April meeting it is expected that some of the professors from Pitt University will talk on some late discoveries in chemistry as applicable to plant growing.

H. P. JOSLIN, Sec'y.

HOLYOKE AND NORTHAMPTON FLORISTS' AND GARDENERS' CLUB.

The regular monthly meeting of the Florists' and Gardeners' Club was held on Tuesday evening, March 9th, in the new G. H. Sinclair greenhouse at Smith's Ferry, Mass., and was largely attended, about forty being present. Mr. Sefton, president of the Hittings Greenhouse Construction Co., gave a most interesting and instructive talk upon the construction of greenhouses and the mathematical calculations required in the roofs of large greenhouses to make them rigid and safe through any kind of snow or wind storms. His talk was closely followed by all the members present and many questions were asked at the close.

Mr. Sinclair's new greenhouse is 400 ft. long by 60 ft. and although only finished in late October last, is now in fine condition. Carnations occupy half the house and the other half is devoted to sweet peas, gladioli, antirrhinums, forget-me-nots, and young carnations and chrysanthemum stock. His sweet peas are a sight worth seeing.

H. Downer of Smith College exhibited English wallflowers with a pure white one among them. He also exhibited nemesias in 4-inch pots which attracted much attention. D. Gallivan exhibited some well-grown and flowered ericas, F. D. Keyes & Son callas.

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and the Mass. Agricultural College carnations. W. Fraleigh of Holyoke exhibited a bunch of the Farquhar violet.

The April meeting will be held at Florence, Mass., at the greenhouse of F. D. Keyes & Son.

FLORISTS' CLUB OF WASHINGTON

All of the officers of the Florists' Club of Washington, D. C., were re-elected at the annual meeting as follows: George H. Cooke, president; R. L. Jenkins, vice-president; C. L. Linz, secretary; William F. Gude, treasurer; George Field, Adolph Gude, Theodore Diedrich, George H. Cooke, David Bisset and William H. Ernest, executive committee.

Otto Bauer, manager of the local branch of the S. S. Pennock-Meehan Company, exhibited, on behalf of J. J. Perry, manager of the Baltimore branch, a handsome collection of the carnation Mrs. Siegwart, a very large flower which closely resembles Pink Delight as to color and foliage.

A committee was appointed with Adolph Gude as chairman to make plans for a banquet to be given shortly after Easter.

While refreshments were being served, Sidney B. Lust, manager of the United Film Service Company, presented a very interesting exhibition of motion pictures. That which attracted the attention of the members the most was a film showing the growth of a sweet pea and other flowers from the time of the planting of the seed in the ground until the appearance of the flower ready for cutting.

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AMERICAN ROSE SOCIETY.

The American Rose Society's annual meeting will be held in Massachusetts Horticultural Hall in Boston next week. The exhibition of roses will be fine from what we are now advised. It is hoped that members of the Rose Society will take particular interest in this exhibition. It is expected that the governor of the state and mayor of the city of Boston will visit the exhibition. There are several things to be brought up at the annual business meeting which will be of much interest to rose growers. The annual business meeting will be called at three o'clock in the afternoon of March 18th. The election of officers, selection of next place of meeting, rose test gardens, grading roses for market, affiliation of local societies, etc., will be in order.

BENJAMIN HAMMOND, Sec'y.

The Schedule Committee of the American Rose Society wishes to announce that since the prize-list was issued there have been received two additional prizes, namely a cut glass piece valued \$25 presented by the Boston Co-Operative Flower Market, said prize to be offered for fifty Mrs. Taft first premium, (second premium will be \$10 offered by the American Rose Society); also \$15 from Mrs. W. W. Edgar for the W. W. Edgar Co., this prize to be applied to fifty any other disseminated red variety as a first premium (second premium of \$10 is offered by the American Rose Society).

LOUIS J. REUTER.

Chairman of the Schedule
March 9, 1915 Committee.

NEW JERSEY FLORICULTURAL SOCIETY.

The regular meeting of this Society was held on Monday evening, March 1st, at Orange, N. J. Preparations are under way for the 10th annual Dahlia and Vegetable Show, and cups and prizes have been received from all the seed stores in New York and New Jersey and we hope to make this show a big success. The date is set for October 4th. Joseph A. Manda has offered a prize of \$10 to the member securing the most new members into the Society for 1915.

Awards for the evening:

A. J. Moulton, gard. Arthur Jackson, *Primula malacoides*, 70 points; sweet peas, 68.

Peter Hauck, Jr., gard. Max Schneider, carnations, 78 points; sweet peas, 65; free-sias, 65; *primula obovata*, 70.

Wm. Barr, gard. Emil Panuska, *Lopezia albiflora*, 72 points.

Not for Competition

A. J. Moulton, *Narcissus poetaz* Alsace, highly commended; *Primula malacoides*, stocks, violets, honorable mention. Peter Hauck, Jr., violets, honorable mention.

GEO. W. STRANGE, Secy.

ALBANY FLORIST CLUB.

The Albany Florist Club met Thursday evening, March 4th, at the Albany Cut Flower Exchange. There was an attendance of about 75 members. The feature of the evening was the flower show. Pennock-Meehan Co. displayed some very fine carnations, white lilacs, Spencer sweet peas and orchids. F. R. Pierson Co. exhibited some of the new rose, Francis Scott Key. The Albany Cut Flower Exchange exhibited for A. S. Burns, Jr., of Spring Valley, some very fine *Rubrum* lilies. A. N. Pierson showed some fine Matchless carnations and lilies. J. Traudt, of Cana-

JOHN BAER—HIMSELF

Gives a Friendly But Earnest Notice

— TO HIS —

Friends and Fellow Market Gardeners

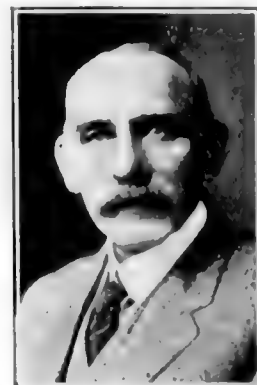
Baltimore County, Maryland
March 2nd, 1915.

I hereby inform my many friends, the Market Gardeners, Canners and the public in general, I have placed my entire supply of "John Baer" Tomato Seed which I personally grew and selected, with J. Bolgiano & Son of Baltimore, Maryland. Any seed offered by any other source is not my production and I cannot feel morally responsible for the results it may produce.

I have given this tomato my greatest care and attention for many years and take pride in seeing that my fellow Market Gardeners are getting only seed that truly represents the results of my lifework.
(Signed) JOHN BAER.

Pkts., 50c.; ¼ oz., 75c.; oz., \$2.00;
¼ lb., \$7.50; lb., \$25.00.

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Originator of The World Famous Tomato
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"JOHN BAER" TOMATO

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1818 — 'J. BOLGIANO & SON — 1915

ALMOST 100 YEARS SELLING TRUSTWORTHY SEED

Growers of Pedigree Tomato Seed

BALTIMORE, MD., U. S. A.

joharie, showed some very fine azaleas, primroses, etc., as did also H. Hansen, of Catskill. Wm. Hannell, Watervliet, showed Enchantress carnations and Killarney, Sunburst and Hadley roses. F. A. Danker exhibited some very fine plants; Henkes Bros., Watervliet, plants and carnations; R. Velle, carnations.

There was a long talk in regard to the November Flower Show. The committee is hard at work but wish for more time before making a final report.

After the meeting adjourned, refreshments were served and all the members reported a very fine time and think it a good idea for the growers to exhibit specimen plants and cut flowers at each meeting.

The next meeting will be the first Thursday in April, at the Albany Cut Flower Exchange.

SOUTHAMPTON (N. Y.) HORTICULTURAL SOCIETY.

The above Society held its regular meeting on March 4th. There were several interesting discussions on the making of hot-beds, pruning of peach-

es and best to plant, also hardy Tea and H. T. roses to plant in Southampton.

The next meeting will be held in Odd Fellows' hall, Southampton, on March 18th at 8 P. M., when horticulturists visiting Southampton on that date will be welcomed.

The members here are, one and all, busy now getting ready for the summer show, which looks to be a big success this season.

S. R. CANDLER, Cor. Sec.

PERSONAL.

Mrs. Amy L. Lambly of Spokane, Wash., is visiting at her old home in Alabama.

Edward Vose has taken charge of the Centre Street Greenhouses, Hackettstown, N. J.

F. H. Henry of Henry & Lee, New York, has recently returned from Japan where he has been since last April.

Harry Levis, formerly with A. M. Davenport, Watertown, Mass., is now engaged as gardener in the park department of Haverhill, Mass.

DURING RECESS.

Gardeners' and Florists' Club of Boston.

The members of the Gardeners' and Florists' Club, their wives, sisters, daughters and other lady friends, had a glorious happy evening on Wednesday, March 10, the occasion being the annual banquet and dance. It was held at the New American House this year instead of Horticultural Hall and the innovation proved advantageous in many ways. Nearly three hundred guests were present, fully one-half of this number being ladies.

The banquet hall was handsomely decorated under the supervision of George M. Anderson, southern smilax on the walls, palms about the corners and flowers in rich profusion on the tables. The menu was excellent and well served.

President Herman Bartsch was his own toastmaster and did it up most creditably. The principal speaker was President Patrick Welch of the S. A. F. Mr. Welch said some good things about the national society and the approaching convention at San Francisco and said them so convincingly that quite a few who were present, several ladies included, volunteered to accompany the Boston party to California next August. Other speakers were Secretary W. N. Craig, Treasurer Peter Fisher, Vice-President Methven, S. J. Goddard, Henry Penn and W. J. Kennedy, the last named breaking forth into whirlwind eloquence on behalf of woman suffrage. There was an enjoyable entertainment by Margaret With-er, piano solos; Emil Chevrill, comedy violin imitations; James Singer, baritone solos; Katharine Singer, pianist, and Combie's orchestra. Dancing was indulged in from 10 to 12 midnight.

The next meeting of the Club comes on Tuesday evening, March 16, when Eber Holmes will talk on Indoor Roses.

CLUB AND SOCIETY NOTES

The Students' Club at the Missouri Botanical Garden will hold a meeting on Friday, March 19, at which G. H. Pring will read a paper on "Aquatic Gardening" and N. J. Cella on "Lawns and their Care."

Henry F. Michell Co. have offered a very generous list of prizes to be awarded at the National Flower Show in Philadelphia in the spring of 1916. The list includes four gold medals, twenty-one silver medals, seven bronze medals and fourteen silver cups.

Quite a few St. Louis Florist Club members attended the annual meeting of the Illinois State Florists' Association at Urbana, Ill., last week. Among them were J. F. Ammann, W. J. Pilcher, John Stridel, Edwin Denker and Charles Johann.

The Maine State Florists' Association was organized on March 10, at Orono. J. H. Stalford of Bar Harbor was chosen president; Charles F. Strout, Biddeford, vice-president; Alexander Lurie, Orono, secretary, and Ernest Saunders, Lewiston, treasurer.

The St. Louis Co. Plant and Flower Growers' Association held a meeting on March 3, at Eleven Mile House. Quite an interesting program was laid out on which discussions followed. It was voted to assist the St. Louis Florist Club when the Carnation Society holds its meeting in St. Louis. J. F. Ammann made an interesting address.

BODDINGTON'S ASTERS



Queen of the Market

	Trade pkt.	Oz.		Trade pkt.	Oz.
Pink	\$0.20	\$1.00	Flesh Color	\$0.20	\$1.00
White .....	.20	1.00	Light Rose .....	.20	1.00
Light Blue .....	.20	1.00	Scarlet .....	.20	1.00
Dark Blue .....	.20	1.00	Red Lilac .....	.20	1.00
Crimson .....	.20	1.00	Finest Mixed .....	.20	1.00
Rose .....	.20	1.00			

Vick's Branching

	Trade pkt.	1/4 oz.	Oz.		Trade pkt.	1/4 oz.	Oz.
Crimson	\$0.25	\$0.35	\$1.00	Lavender	\$0.25	\$0.35	\$1.00
Pink .....	.25	.35	1.00	Violet .....	.25	.35	1.00
White .....	.25	.35	1.00	Rose .....	.25	.35	1.00
Purple .....	.25	.35	1.00	Mixed .....	.25	.35	1.00

Carlson's Branching

Lavender. The best branching			
Asters in this color.....	\$0.25	\$0.35	\$1.00
Shell Pink	\$0.25	\$0.35	\$1.00
Upright White .....	.25	.35	1.00

Semple's Branching

Daybreak	Beautiful shell pink color	2 feet high.....	.25	.75	2.50
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Purity	Pure white; similar to Daybreak in form and habit of growth.....	.25	.75	2.50
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Mikado White	Growing from 16 inches to 2 feet high, and bearing immense curled and twisted flowers on long, stiff stems, resembling at a distance, huge, ragged, Japanese Chrysanthemums.....	.25	.60	2.00
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Mikado Pink25	.60	2.00
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Violet King	In shape and size the bloom is round, full and large, many of the flowers 4 to 5 inches. Its color is a soft violet-lilac.....	.25		2.00
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Hercules, White	Flowers are borne on remarkably strong stalks, are all the purest white, of the genuine Hohenzollern form, with very long petals, and attain the enormous diameter of 6, or, with good culture, as much as 7 inches.....	.25		2.00
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Aster Crego

	Trade pkt.	1/4 oz.	Oz.		Trade pkt.	1/4 oz.	Oz.
Rose	\$0.25	\$0.50	\$1.50	Pink25	.50	1.50
White .....	.25	.50	1.50	Mixed .....	.25	.50	1.50
Lavender .....	.25	.50	1.50				

Astermum

Pink, trade pkt.....	\$0.25	White, trade pkt.....	\$0.25
Lavender, trade pkt.....	.25	Collection, 1 pkt. each.....	.60

ASPARAGUS

PLUMOSUS NANUS. True greenhouse grown. 50 cts. per 100 seeds; \$1.00 for 250 seeds; \$3.50 per 1000 seeds.
PLUMOSUS NANUS. California grown. 50 cts. per 100 seeds; 75 cts. for 250 seeds; \$2.50 per 1000 seeds.
SPRENGER. 25 cts. for 250 seeds; 75 cts. per 1000 seeds; \$3.00 for 5000 seeds.

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342 West 14th Street, New York City

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AMERICAN SEED TRADE ASSOCIATION

Officers—President, Lester L. Morse, San Francisco, Calif.; First Vice-President, J. M. Lupton, Mattituck, L. I.; Second Vice-President, F. C. Dungan, Philadelphia, Pa.; Secretary and Treasurer, C. E. Kendel, Cleveland, O.; Assistant Secretary, S. L. Willard, Jr., Cleveland, O.

The value of horticultural imports into New York for the week ending February 27, 1915, is given as follows: Mammoth seed, \$2,548; bulbifer, \$2,027; clover seed, \$500,000; grass seed, \$25,100; sugar beet seed \$500; trees and plants, \$25,410.

One of the most attractive seed store window displays we have seen is that of Peter Henderson & Co., at present. It displays a wealth of kitchen garden products, exact reproductions in form and color of all the leading table vegetables, the central figure being a happy husbandman trundling a wheelbarrow load of the tempting product. We understand that the models are all the work of an employee of the store. The show serves its purpose well for there is constantly a throng of admirers with mouths watering, outside the window.

A RADICAL STEP BY PLANT IMPORTERS.

At the last meeting of the New York and New Jersey Association of Plant Growers the matter of the importation of Belgium and Holland stock was brought up and it was pointed out that owing to the roundabout manner in which the shipments were forwarded and the length of time during which they were in transit the importers realized very little, if any, profit out of their purchases.

It was also pointed out that the exporters are in closer touch with the shipping facilities from their respective countries and have charge of the routing of the shipments and the packing thereof and that it would be no injustice to require them to share some part of the risk connected therewith.

It was, therefore, resolved that the members of this Association shall hereafter purchase Belgium and Holland shipments f. o. b. New York and refuse to place orders upon any other basis. This meeting of the Association had a very large attendance and the membership shows a healthy growth. W. H. SORRELL, JR., Sec'y.

CATALOGUE RECEIVED.

V. Lemoine & Son, Nancy, France.—Illustrated Catalogue for Spring, 1915. Listing sterling novelties in tender and hardy plants, this catalogue is, as ever, a very welcome and seductive visitor.

New Bedford, Mass. — Wm. Keith, gardener for Mr. Stetson has some very fine bulb stock in bloom as well as azaleas of both hardy and forcing varieties. One of the azaleas measures over four feet through and at the present writing has over 1000 blooms and buds.

Dr. Hugh, who has a country home at Nantucket, plans to have over 150 varieties of iris on his place this summer. FRANK L. GRAY.

NEWS FROM THE PANAMA PACIFIC EXPOSITION.

A notable feature at the Exposition this week is the blossoming of a large planting of hyacinths in some of the courts. Santa Clara county had its day at the Exposition, March 5, and a large crowd came up from San Jose in automobiles, fairly buried in fruit blossoms. The floral exhibits in the Palace of Horticulture are rapidly taking on their finished form. Unfortunately the Cuban exhibit, which is the central feature under the main dome of the building, was delayed in transit, and had rather a hard trip, but the palms and shrubs are now practically all in place, together with a lot of bulbs, etc., which will come up later. This planting has been arranged for a monthly rotation of blossoms, and the flowers for the first two months will be from native Cuban bulbs. The exhibit includes palms and ferns of many varieties, all the smaller ones being brought from Cuba, while the larger are acclimated specimens from local nurseries. One of the plots is devoted to broad-leaved Cuban plants, and in another are some very fine tree ferns. This exhibit also includes some fine crotons, and several extremely old specimens of microcyclus; and some Cuban giant-leaved plants have just been put in. Under the dome are also scattered a number of beautiful Australian tree ferns. One of the side plots is occupied by an exhibit from E. James, of Oakland, Cal., some notable features of which are the *Adiantum gloriosa* and *Polypodium Mandaianum*. A nice lot of cyclamen is also shown here, to be replaced later by primulas. In one of the side rooms off the central dome is a large orchid display by the MacRorie-McLaren Company, showing at present a large collection of cattleyas, in addition to a lot of fine white and pink phalaenopsis and oncidium. In another side room is shown a large collection of New Zealand ferns, together with a wonderful collection of 80 varieties of Hawaiian hibiscus; and a pond of water lilies, not yet blossoming, by Henry A. Dreer, of Philadelphia. A space is also occupied by the Yokohama Nursery company, Yokohama, Japan, with a large collection of ornamental plants and bamboos. Out in the main building of the Palace of Horticulture is a large booth of C. C. Morse & Co., the San Francisco seed house, showing at present an assortment of bulb stock, hyacinths, tulips, lily of the valley, crocus, etc., all blossoming; and at this booth sample packages of California poppy seed are being given away. A booth has also been taken by Sutton & Sons, Reading, England, whose exhibit is due to arrive on the steamer Jason.

At the meeting of the Pacific Coast Horticultural Society, March 6, final plans will be made for the spring bulbous flower show, to be held shortly in the Palace of Horticulture.

The Southern California Arboricultural Association has postponed its annual meeting, to be held on the San Diego Exposition grounds, to March 11 and 12, on account of the addition of new features to the program.

MICHELL'S BULBS OF DISTINCTIVE QUALITY

BEGONIA BULBS

	Doz.	100	1000
Single, Separate colors	\$0.40	\$2.50	\$22.00
Single, Mixed colors	30	2.25	20.00
Double, Separate colors	65	4.00	35.00
Double, Mixed colors	50	3.75	33.00

GLOXINIA BULBS

	Doz.	100	1000
Separate colors	\$0.60	\$4.25	\$30.00
Mixed colors	50	3.00	27.50

FANCY LEAVED CALADIUM BULBS

Our list is composed of 10 of the best named sorts, covering a wide range of colors.

Named Sorts, 15c each; \$1.75 doz.; \$12.00 per 100.

Mixed Varieties, 15c each; \$1.50 doz.; \$10.00 per 100.

TUBEROSE BULBS

Mammoth Pearl, Hand selected, extra fine, per 100, \$1.00; per 1000, \$9.00.

DAHLIA ROOTS

All the choicest standard sorts as well as the newest varieties in Decorative, Show, Cactus, Flamingo, Pompon and Single types.

Also all other Seasonable Bulbs, Seeds and Supplies for the Florist.

WHOLESALE CATALOGUE FREE FOR THE ASKING.

HENRY F. MICHELL CO.
518 Market St., Phila.

CLEVELAND PLANS A BIG SHOW.

The Cleveland Florists' Club was in earnest when it invited the Chrysanthemum Society of America to come to the sixth city for their next meeting and show, which will be in November this fall. It is the plan of the Clevelanders to make this show one of the largest ever held in the United States. The Ohio Horticultural Society has joined forces with the Florists' Club and will assist them to make the above statement a reality.

At a joint meeting held last week of the two organizations the following executive committee was elected: S. Prentiss Baldwin, chairman; Frank A. Friedley, sec'y; John Boddy, treas.; Herman A. Knoble, show manager; Mrs. L. Dean Holden; Mrs. A. S. Ingalls; Mrs. John E. Newell.

The work will be divided among eight committees under the direction of the following named chairmen:

Herbert Bate, Premium List; F. C. W. Brown, Decorations; George Bate, Publicity; Timothy Smith, Admission; G. W. Smith, Entertainment; C. E. Russell, Retail Display; H. P. Merrick, Trade Display; Frank A. Friedley, Exhibition.

It is the plan of general chairman Knoble to have each committee completely organized and in good working order in the very near future. The dates selected are November 10 to 14 inclusive. The large Wigmore Coliseum has been leased for the show. Put the dates down on your calendar now.

GEO. BATE.

The Worcester County (Mass.) Horticultural Society held a very fine exhibition on March 4 and 5. A Dutch garden by E. W. Breed and H. F. A. Lange was a prime attraction. Carnations, orchids, cinerarias, primulas and bulbous flowers were included in the exhibits and there were some very good fruit and forced vegetables.

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Japonica, white..... 5.00
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	100	1000
Blushing Bride	- \$0.75	\$6.00
Peach Blossom	- 1.00	8.00

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designs for all occasions. Steamer and theatre flowers a specialty.

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LOCKPORT, NIAGARA FALLS and
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Of Interest to Retail Florists

"FOR BETTER BUSINESS METHODS."

From your article in your issue of February 27, under "For Better Business Methods," I would draw conclusion that the retailers had been asked by the growers and wholesalers to meet with them. If so, I did not know it, but would have been there had I known retailers were expected. For some year or two it has been in my mind how could it be brought about that the grower and retailer might work together for the better good of both. I know there are those among the retailers of Boston and vicinity who would gladly co-operate with the grower and among themselves for improvement and better business methods. In these days antagonism should be eliminated entirely among retailers and producers—the producers and retailers generally are too far apart in their views and ideas, for thoroughly good feelings to exist and when retailer and producer can meet and discuss matters pertaining to the welfare of the florist business in general, we shall have accomplished a wonderful good thing.

I had also hoped for a good retail association of influence for good in the business before this. It would seem that for reasons, in part unexplainable, the one started must die—circumstances and conditions being against it and for one reason more than another, a too hurried formation of the society. Let us hope!

Henry R. Conley

Boston

NEW FLOWER STORES.

Hannibal, Mo.—J. E. Null.
Rock Island, Ill.—H. H. Hensley, Harper Hotel.
Shreveport, La.—James W. Begbie, 614 Market street.
Sharon, Pa.—Idlewild Greenhouses, 403½ State street.
Chicago, Ill.—Paris Floral Shop, 15 East Jackson Boulevard.
New York, N. Y.—Frank Lorraine, Hotel Seville, 28th street.
Milwaukee, Wis.—Henry A. Schimmels, 12th and Vliet streets.
Providence, R. I.—Miss O'Connor, Cushing and Thayer streets.
Brooklyn, N. Y.—Joseph Trepel, 1070 Flatbush avenue; in contemplation.
Lynn, Mass.—Archway Floral Store, Grossman building; Jerry Costello, prop.; T. S. Corthell, mgr.

BUSINESS TROUBLES.

Dayton, O.—Elizabeth M. Phebus, florist, assets, \$2,360, liabilities, \$4,609.56.

Houston, Tex.—On Feb. 23d, J. C. Hutcheson filed application for a receiver for the Henk Dirken Floral & Nursery Co.

JOHN BREITMEYER'S SONS

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DETROIT, MICH.

**Artistic Designs . . .
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Deliveries to Steamers and all Eastern Ports

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Will take good care of your orders

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Auto delivery of Designs and Flowers to
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Stock and Work First Class

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Flowers or Design Work

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JOHN H. DUNLOP

16 Yonge St., - - TORONTO, ONT.

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Detroit, Mich.—H. A. Bunyard, New York.

Westerly, R. I.—Thomas Shaw, Woonsocket, R. I.

St. Louis, Mo.—Fred. Lautenschlager, representing Kroeschell Bros. Co., Chicago.

Cincinnati—R. E. Adgate of the McCallum Co., Pittsburgh; Victor Morgan representing the Lord & Burnham Co., New York.

Albany, N. Y.—Arthur Zirkman, of Rice Co., Philadelphia; Wm. Johnson, of Saratoga; Joseph Traudt, Canajoharie; James Snyder, Rheinbeck.

New York—Seizo Suzuki, Yokohama, Japan; J. F. Huss, Hartford, Conn.; P. Murray, supt. parks, Tuxedo, N. Y.; S. S. Pennock, Phila., Pa.; Edmund A. Slattery, with W. J. Palmer & Son, Buffalo, N. Y.

Philadelphia—D. Carmichael, rep. J. M. McCullough's Sons, Cincinnati, O.; Robert Pyle and Antoine Wintzer, of Conard & Jones Co., West Grove, Pa.; T. T. Bolger, Charleston, S. C.; Stephen Morteson, Southampton, Pa.

Pittsburgh—E. J. Fancourt, representing S. S. Pennock-Meehan Company, Philadelphia; M. Thoolen, of N. F. Roozen & Company, Houtvaart Nurseries, Overveen-Haarlem, Holland; M. Boks, Ghent, Belgium, and (from November till May) East Rutherford, N. J.; William P. Craig, Philadelphia; Harry Bayersdorfer, Philadelphia.

Chicago—A. B. Knickman, representing McHutchison & Co., New York; A. Schutz, Hammond, Ind.; Walter Mott, representing Benj. Hammond, Beacon, N. Y.; A. C. Reicher, Michigan City, Ind.; Mrs. Guilleme, La Crosse, Wis.; W. D. Desmond with L. Donaldson Co., Minneapolis, Minn.; J. A. Evans, Richmond, Ind.; W. F. Gude, Washington, D. C.; Ed. Fancourt, representing S. S. Pennock-Meehan Co., Phila., Pa.

Washington—I. Rosnosky, with H. F. Michell Company, Philadelphia, Pa.; Anna G. Griffiths, of the West Side Floral Shop, and Jemima Roderick, both of Scranton, Pa.; Joseph J. Goudy, with H. A. Dreer, Inc., Philadelphia, Pa.; S. S. Skidelsky, Philadelphia, Pa.; H. L. Lauscher, manager of the Idle Hour Nursery store, Macon, Ga.; Charles H. Fox, Philadelphia, Pa.; representing Rice Company, Philadelphia, and C. F. Bahret, Poughkeepsie, N. Y.

NEWS NOTES.

Ypsilanti, Mich. — John G. Worden has sold his greenhouses to A. Trotter & Son.

Pittsburgh, Pa.—Wm. M. Turner has leased his greenhouse property to Arthur James.

Milford, Mass. — H. W. Austin had his residence destroyed by fire on the morning of Wednesday, March 3. Some \$500 worth of Easter flowering bulb stock which were in the cellar were destroyed, Mr. Austin claims, through the fault of the firemen.

Penn The Florist

"The Telegraph Florist"

Member of Florists' Telegraph Delivery

37-43 Bromfield St., Boston, Mass.

ORDERS FOR

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22 West 59th Street, adjoining Plaza Hotel

Best Florists in the States as References

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Members of the Florists' Telegraph Delivery.

REUTER'S Members Florists' Telegraph Delivery

STORES IN

New London and Norwich, Conn.
and Westerly, R. I.

We cover the territory between

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Transfer your orders for flower or
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ZINN The Florist
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Telephones 1581 and L 1583

1415 Farnum St.,

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Kerr ORDERS
FOR
TEXAS

The Florist HOUSTON, TEXAS

Member F. T. D. Association.

NEWS ITEMS FROM EVERYWHERE

BOSTON.

H. K. W. Miller's store, 100 North Street, had a very attractive display of fruit this week in which a big basket of sweet peas was featured.

The Gardeners and Florists' Club will hold a club day, March 29, at Waverley, where they will be the guests of the W. W. E. Co. The meeting of the club, March 16, will be a special Rose Night, a timely event preceding the big Rose Show, March 18-21.

Maurice Hambro, buyer for H. M. Robinson & Co., is all with some foot trouble. The salesman in the markets displayed their sympathy by sending him a splendid basket of fruit this last week. It is expected that he will be "on deck" Monday.

F. J. Dolansky's store in Lynn is being renovated and will be completed by next week. A new office has been built and several large mirrors placed on the walls. This store is very advantageously located on one of the busiest streets of the city.

The Swanavelt Flower Shop, of Lynn, is an artistic establishment of the kind that one would hardly expect to find in such a busy manufacturing centre. The firm specializes on baskets and pottery and has acquired a well-merited reputation for table decorations.

The windows of two large department stores, Filene and Jordan-Marsh Co., are superbly decorated with rich fabrics set off with masses of cinerarias, genistas and other brilliant flowering plants. The combinations and contrasts of color are beautifully done. S. Hoffman supplied the floral material.

Frederic Southworth, of Lynn, is producing a special strain of silver pink snapdragon with which he has had much success. Mr. Southworth specializes on snapdragons, and in a recent visit to his range the writer noted several promising seedlings in white, cerise, golden-yellow and dark red.

Ed. Winkler, of Wakefield, is very optimistic about the future of his new carnation, Morning Glow. He plans to disseminate it next year and will specialize on this variety altogether for the next few years. Morning Glow is a seedling from Winona by Queen, a delicate silver pink color, with a tendency to deepen in summer.

Several local retailers are complaining against the system of sales tags now in use in the markets. As it is now, each salesman possesses his own sales book and when a sale is made the retailer signs the slip and receives a duplicate with his goods. Mistakes are liable and retailers claim to have received bills for goods they never bought and never signed for. One prominent retailer already uses his own receipt tags, thus effectively checking up all claims. Each salesman is compelled to produce the slips of this retailer when presenting his bill.

CHICAGO.

N. Miller has the sympathy of the trade in the loss of his father, whose death occurred March 8. Mr. Miller is no longer with the A. L. Vaughan Co.

The three south rooms on the first floor of the Le Moyne block will soon be occupied by E. C. Amling Co., who have taken out a long term lease, North Wabash Ave. is thus gaining two of the large wholesale houses.

Miss Charlotte Megchelsen, 4654 Grand Boul., finds the call for baskets greater each year. A very large proportion of orders now are for flowers to be put into some of the new baskets, and she finds the profits just as large for herself and customers better pleased than with flowers alone.

A call at the Flower Growers' Association, Tuesday, impressed one with the idea that that firm had added the sale of silverware to its business, but it proved to be the trophies belonging to the Chicago Florists' Club. Manager Paul Klingsporn, who likes to see things right, has had it put in first class condition and it is now an honor to the club.

At the Muir Conservatories, 4647 Grand Boul., trade is reported as very encouraging. Miss Muir has been in business long enough to have a broad outlook, and she says the dull times for florists are past and a good business awaits those who make the effort to get it. This store is one of the large south side places and most attractive in its arrangement.

The "loop" retail florists are all giving extra attention to their window displays. With the coming of the spring openings at the big department stores, the tastefully arranged windows in the flower stores make a good advertisement and appeal strongly to the throngs of passers by. A good trade is reported generally by the downtown florists with potted bulbous stock as leaders.

A Model of Decorative Art.

Again the world's largest store has its spring opening after six months of preparation. A. V. Fraser, who for twenty years has spoken daily to thousands of people, through his artistic expressions in flowers and fabrics in the Marshall Field windows, says that decorative art is like religion and the results we get are the expressions of the creeds we hold. He studies constantly and says that parks, landscapes and gardens are his best teachers. Two years ago he visited the Kew gardens in England and his descriptions of the color effects seen there in the rhododendrons and other plants make one seem to feel as well as to see the exquisite blending of colors. The decorations this year reflect impressions of a recent southern trip. Great gray urns high above your head are filled with drooping branches of southern dogwood bearing thousands of the big white blooms, red tipped as they grow in Virginia. The long main aisle is crossed with high arches, massed with roses, and you walk as under a

bower of rare loveliness. The effect of such scenes on the passing multitudes cannot be estimated, and to one who has the inclination to study, here is a great opportunity. Mr. Fraser is not a florist, but he is a floral artist.

Good Fellowship.

The social events reported as under way one week ago, in honor of the presence in Chicago of the directors of the Society of American Florists, the Florists' Telegraph Delivery and the National Flower Show Committee, were successfully carried out and the spirit of good fellowship received a new impetus. The closing was in the form of a luncheon at the La Salle Hotel, and the hearty expressions of good will brought encouragement to the workers all along the three lines represented, and the departing guests left with the feeling, shared also by their entertainers, that it was something to look back upon with pleasure and profit.

State Florists' Organization.

The Chicago delegation to the Illinois State Florists' Association which held its tenth annual meeting, March 2 and 3, at Urbana, Ill., came home with glowing accounts of that meeting. Their reception in the state university town was cordial and they were well taken care of. Phil. Foley accompanied them and the inspection of the greenhouses recently erected by his company was one of the features of the meeting. The University of Illinois is one of the leaders in maintaining a department where floriculture and landscape engineering are studied in a way befitting their importance, with encouraging results showing great progress. In the years to come—and not distant ones either—this institution is expected to turn out men whose equipment will place them in the lead in horticultural matters in this country. Once each year, hereafter, will a meeting be held here that closer touch may be kept with the works in original research in the experiment station. The officers for the coming year are as follows: President, C. W. Johnson, Morgan Park, Ill.; 1st vice-president, I. L. Pillsbury, Galesburg, Ill.; secretary, J. F. Ammann, Edwardsville, Ill.; treasurer, F. L. Washburn, Bloomington, Ill.

PHILADELPHIA.

The session of the Farmers' Institute held at Horticultural Hall, March 5 and 6, were rather slimly attended but otherwise were very successful.

Thomas P. Smith, late of Boston, entered on his duties March 1st as superintendent of gardens and grounds at the Pennsylvania Hospital (Kirkbrides) 44th and Market Streets.

Chas. Sim of Rosemont, and party left Santa Barbara headed east on the 29th ult. A visit to Edwin Lansdale at Burpee's Floradale Farms at Lompoc was one of the pleasant episodes of the Santa Barbara part of the trip. Mr. Sim speaks very enthusiastically of the San Francisco Fair.

SEASONABLE SUGGESTIONS

BY THE FLORISTS' SUPPLY HOUSE OF AMERICA

St. Patrick's Novelties—High Hats for Shamrocks

EASTER BASKETS NOW READY

HANDLE BASKETS With Liners

CYCAS LEAVES, Best in the World

WHEAT SHEAVES, CREPE PAPER AND MATS

TUMBLER BASKETS

MAGNOLIA LEAVES

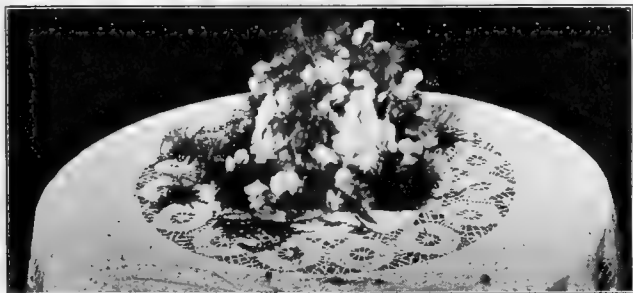
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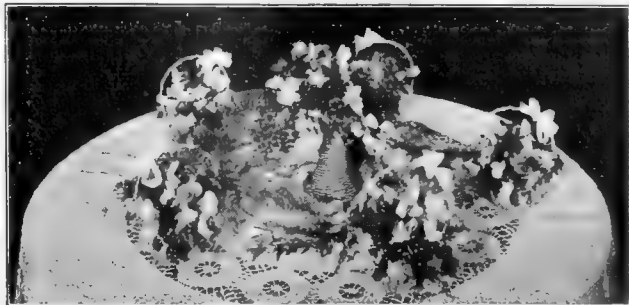
The Florists' Supply
House of America

1129 Arch St.,
PHILADELPHIA, PA.

TWO TABLE DECORATIONS OF SIMPLE DESIGN.



Centerpiece of sweet peas and Barberton daisies (Gerbera Jamesonii).



Basket decoration. Baskets filled with sweet peas, pansies and Adiantum Farleyense.

The two illustrations herewith tell their own story. They are examples of extreme simplicity in detail and good taste in color combination, by Max Schling of New York. The Gerberas, in their various shades of scarlet, vermilion and orange are worthy of a larger use by the decorating florist. They keep well and, if intelligently used, always please.

WASHINGTON, D. C.

Clarence Shaffer, the young son of George C. Shaffer, of Fourteenth and Eye streets, Northwest, is reported to be quite ill with scarlet fever.

A number of the Washington ladies made a sisterly visit to their friends in Baltimore last week, spending the day in bowling and attending a local theatre.

W. W. Kimmel took the part of a hero on Saturday last when he twice entered a burning building, first to rescue a woman whom he had previously warned of the impending danger but who after leaving the building re-entered it in order to save some valuables, and later to rescue the rescued woman's pet canary.

George W. Hess, superintendent of the Botanic Gardens, is complaining of acts of vandalism committed by visitors. Of his own accord, Mr. Hess recently announced that the gardens would be open to the general public on Sundays, something that has not heretofore been done, but on each of the four Sundays following this announcement some of the rare and valuable plants have been mutilated.

Declaring that the various railroads doing business in the District of Columbia have omitted to publish and put into effect just and reasonable commodity rates applicable to Washington, D. C., which omission has caused unjust and unreasonable freight charges, several of the florists have joined with merchants in other lines in petitioning the Interstate Commerce Commission to cause the es-

tablishment of such specific commodity rates as the commission may deem just and reasonable. It is also asked that reparation be made for the unlawful charges described.

The retail florists of Washington are about to form an organization of their own independent of the local club and to endeavor to advise ways and means for combating a large number of trade evils which they are at present forced to face. Their particular grievance at this time, although they have been complaining for a long time, is that the street vendors can offer a good quality of flowers at prices cheaper than the legitimate florists can buy them. It is stated that this is causing them to use a large amount of business and that it does not help the grower when the crop is sold at less than the cost of production. The practice of wholesalers, growers and exchanges of furnishing such men with stock is severely condemned.

Many of the prominent citizens of Secaucus, N. J., are trying to induce Fred Meerbott, the well known florist, to be a candidate for school trustee at the coming election.

PITTSBURGH.

The A. W. Smith Company are today observing the last of their twin "Spring Flower Days," when they give special attractions for their much advertised "Dollar Box." So far the Smiths are the only florists included in the "Savings Checks" merchants. This "Savings Check System" is an ingenious plan inaugurated in Pittsburgh last month, which is to be extended to other cities as rapidly as possible. Through it the customer becomes a savings bank depositor at the expense of the merchant, the banks chosen paying a small amount for new accounts, thus opened. The checks are given by the firm (only one of a kind in each district) for cash purchases or for prompt payment of accounts.

De Forest W. Ludwig of the E. C. Ludwig Company, left on Saturday night for an extended trip to California. Mr. Ludwig will scarcely remain for the Convention of the Society of American Florists in August, expecting to return east early in July. Fred Burki of the Pittsburgh Cut Flower Company, who, accompanied by his family, left a few days before with the Convention as his objective point, will remain indefinitely. Another visitor at the Convention will be B. L. Elliott of the John Bader Company, who, Mrs. Elliott and Miss Elliott, will take a two months' trip to the coast. Another less fortunate individual—a retailer—when interrogated as to a Panama-Pacific trip, answered frankly, but cheerfully, "No, we are having all we can do to pay our taxes." And so it goes.



Real Butterflies

Moths, Beetles, etc., mounted on pins for floral decorations of every description. Largest stock in America. Write for prices.

The New England Entomological Company
346 Arborway, Jamaica Plain, Mass.

SNAPDRAGON

Pink, White, Yellow, \$1.50 per dozen

LILAC

White and Lavender, \$1.00 per bunch, 12 bunches for \$10.00.

SPENCER PEAS

Extra fine quality, 500 for \$7.50, our selection of colors.

THE LEO NIESSEN CO.

Wholesale Florists

N. W. Cor. 12th and Race Sts., PHILADELPHIA, PA.
BALTIMORE, MD. WASHINGTON, D. C.**EASTER**

AND

Spring Trade Number**MARCH 20, 1915***Advertising in the Easter Number is Good Business. It has a Definite Purpose which Assures Double Value.***THE BEST LETTERS**FOR
FLORIST'S
USE**R**THOSE
MADE
BY THE**Boston Florist Letter Co.**

66 PEARL ST., BOSTON

N. F. McCarthy, Mgr.

Block Letters, \$2.00 per 100.

Script Letters, \$3.00 per 100.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock.

POEHLMANN BROS. CO.*Supply of Best Cut Flowers all the Year Around*
72-74 EAST RANDOLPH ST., - - - CHICAGO.

If interested, send us your name and address for our weekly price list

WELCH BROS. CO.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED**226 Devonshire Street,****Boston, Mass.****WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY**

	CINCINNATI March 1	CHICAGO March 8	BUFFALO Mar 8	PITTSBURG March 8
Roses				
Am. Beauty, Special.....	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00
" " Fancy and Extra.....	3.00 to 3.50	3.00 to 3.50	3.00 to 3.50	3.00 to 3.50
" " No. 1.....	2.00 to 2.50	2.00 to 2.50	2.00 to 2.50	2.00 to 2.50
Killarney, Richmond, Extra.....	6.00 to 7.00	6.00 to 7.00	6.00 to 7.00	6.00 to 7.00
" " Ordinary.....	5.00 to 6.00	5.00 to 6.00	5.00 to 6.00	5.00 to 6.00
Hillingdon, Ward, Sunburst, Extra.....	6.00 to 8.00	6.00 to 8.00	6.00 to 8.00	6.00 to 8.00
" " Ordinary.....	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00
Maryland, Radnor, Taft, Extra.....	6.00 to 8.00	6.00 to 8.00	6.00 to 8.00	6.00 to 8.00
" " Ordinary.....	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00
Russell, Hadley, Ophelia, Mock.....	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00
Carnations, Fancy.....	2.00 to 2.50	2.00 to 2.50	2.00 to 2.50	2.00 to 2.50
" " Ordinary.....	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Cattleyas.....	25.00 to 30.00	25.00 to 30.00	25.00 to 30.00	25.00 to 30.00
Lilies, Longiflorum.....	10.00 to 12.00	8.00 to 10.00	8.00 to 10.00	8.00 to 10.00
" " Rubrum.....	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00
Lily of the Valley.....	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00
Daisies.....	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Violets.....	.35 to .50	.35 to .50	.35 to .50	.35 to .50
Snapdragon.....	8.00 to 10.00	8.00 to 10.00	8.00 to 10.00	8.00 to 10.00
Narcissus, Paper White.....	2.00 to 2.50	2.00 to 2.50	2.00 to 2.50	2.00 to 2.50
Freesias.....	2.00 to 2.50	2.00 to 2.50	2.00 to 2.50	2.00 to 2.50
Daffodils.....	2.00 to 2.50	2.00 to 2.50	2.00 to 2.50	2.00 to 2.50
Tulips.....	3.00 to 4.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00
Sweet Peas.....	.45 to .75	.45 to .75	.45 to .75	.45 to .75
Corn Flower.....	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Gardenias.....	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Adiantum.....	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Smilax.....	12.50 to 15.00	12.50 to 15.00	12.50 to 15.00	12.50 to 15.00
Asparagus Plumosus, Strings (100) & Spreng. (100 bchs.)	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00

**C. E. CRITCHELL***"The" Wholesale Florist of Cincinnati*
32-34-36 East Third Street

Consignments Solicited. Complete stock of Florists' Greens and Supplies.

Mention Horticulture when writing.

Wired Toothpicks

Manufactured by

W. J. COWEE, Berlin, N. Y.10,000....\$1.75. 50,000....\$7.50. Sample free
For sale by dealers.**E. G. HILL CO.**

Wholesale Florists

RICHLAND, IND.

Please mention Horticulture when writing

WILLIAM F. KASTING Co.**Wholesale Florists****383-387 ELLICOTT ST. - - - BUFFALO, N. Y.**

Telephone 2850 Madison Square

WOODROW & MARKETOS

WHOLESALE

Plantmen and Florists

37 and 39 West 28th St., NEW YORK

**EDWARD REID
WHOLESALE FLORIST**

1619-21 Ransdell St., Philadelphia, Pa.

CHOICE BEAUTIES, ORCHIDS, VALLEY, ROSES
and all Seasonable Varieties of Cut Flowers**MICHIGAN CUT FLOWER
EXCHANGE, Inc.**

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

264 RANDOLPH ST., DETROIT, MICH

Flower Market Reports

BOSTON Business continues depressed, except for one or two flashes caused by large funeral orders received by individual retailers. There is a moderate supply of all kinds of stock. Prices in general have not declined very much, but the demand is weak, thus making the movement of flowers extremely slow. Roses are plentiful and are mostly of good quality. The only item in fairly active demand is yellow stock of roses. This holds true also for tulips, jonquils, daisies, etc. The demand for carnations is about the same as last week, showing a tendency to weaken. A few fancies are going at \$4.00 per 100. Orchids are still moving quietly and the demand for gardenias is light. Violets continue to overcrowd and are finding a poor outlet through the street boys. Potted plants of tulips and jonquils are really the only active items. Boston was entirely over-looked by the snow blizzard which caught so many other places last Saturday, and sunny spring weather has prevailed.

Considering the Lenten **BUFFALO** days the flower market is up to all expectations. Of course there are dull days and very dull at times, as well as good ones. When there is a good sprinkling of floral work, we call them good days as a surplus is moved for which there is no other outlet at the present. Stock that cannot be used for floral works sees its name on some sign as a bargain sale. Daffodils, tulips and violets are amongst the latter. Roses are about equal to the demand. Carnations are in good supply and the best quality has found good sales. Peas are good, also plentiful. Lily of the valley is very quiet. Lilies sell satisfactory. There was too much freesia for a while and the price was down, also too much other bulbous stock.

Stock is cleaning up fairly well. During the busier part of the week everything was disposed of. Flowers are beginning to come in in large quantities, the change being noticed particularly in roses, much to the pleasure of the wholesalers, but there is not enough to warrant any decrease in price. Some American Beauties of fine quality are at last seen and as the amount is very limited they are quickly bought up. Carnations are more plentiful. Bulbous stock still comes on in quantity. Prices have been steadily going down, but now are steady at a fair profit to the grower. Violets continue to bring a discouraging price and many are not sold at all. Lily of the valley is in fair supply. Orchids are bringing a better price.

The market is in a pretty good condition with supplies sufficient while the call is generally steady and prices fair. Roses are coming along nicely. The American Beauty cut is larger, also the carnation cut and prices have dropped. Lilies are plentiful, also and all other bulbous stock. The first outdoor jonquils and daffodils from the south have made their appearance. Sweet peas are having a pretty fair market. Lily of the valley has only an ordinary call. The orchids offered are excellent. Antirrhinums sell fairly well.



EASTER

Where and how to buy the best plants for Easter are problems we solve for you in our plant list, now ready. Send for copy. Among the offerings we have

EASTER LILIES	RHODODENDRONS
SPIREAS	ROSES
HYDRANGEAS	ACACIAS
TULIPS	FERNS
DAISIES	BEGONIAS
AZALEAS	GARDENIAS
BABy ROSES	HYACINTHS

(For baskets)

**EXCEPTIONAL VALUES FOR
EARLY ORDERS**

**GREEN CARNATION DYE
For St. Patrick's Day**

P/M Extra quality, per package, 50c.

PALMS FOR PALM SUNDAY

Order them now and have them shipped when you want them. We can furnish first-class crowns.

Per Doz \$ 2.50
Per 100 15.00

S. S. Pennock-Meehan Co.

The Wholesale Florists of Philadelphia

PHILADELPHIA, 1608-1620 Ludlow St.
BALTIMORE, Franklin and St. Paul Sts.

NEW YORK, 117 W. 28th St.
WASHINGTON, 1216 H St., N. W.



WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON March 12		ST. LOUIS March 8		PHILA. March 8	
Roses						
Am. Beauty, Special	30.00	to 35.00	40.00	to 50.00	40.00	to 50.00
" " Fancy and Extra	12.00	to 20.00	15.00	to 20.00	12.50	to 35.00
" " No. 1	4.00	to 10.00	8.00	to 10.00	4.00	to 8.00
Killarney, Richmond, Extra	4.00	to 12.00	8.00	to 10.00	5.00	to 10.00
" " Ordinary	2.00	to 5.00	4.00	to 6.00	2.00	to 4.00
Hillingdon, Ward, Sunburst, Extra	0.00	to 12.00	8.00	to 10.00	6.00	to 10.00
" " Ordinary	3.00	to 6.00	4.00	to 6.00	3.00	to 5.00
Maryland, Radiance, Taft, Extra	6.00	to 12.00	8.00	to 10.00	6.00	to 10.00
" " Ordinary	3.00	to 4.00	4.00	to 6.00	3.00	to 5.00
Russell, Hadley, Ophelia, Mock	4.00	to 12.00	8.00	to 12.00	4.00	to 15.00
Carnations, Fancy	3.00	to 3.50	2.00	to 3.00	3.00	to 4.00
" " Ordinary	1.00	to 2.00	1.00	to 1.50	1.50	to 2.00
Cattleyas	20.00	to 30.00	40.00	to 50.00	12.50	to 35.00
Lilies, Longiflorum	6.00	to 8.00	10.00	to 12.50	8.00	to 10.00
" " Rubrum	4.00	to 6.00	.....	to 4.00	4.00	to 10.00
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	1.00	to 4.00
Daisies	.....	to 1.00	1.00	to 2.00	.50	to 2.00
Violets	.25	to .50	.20	to .50	.20	to .50
Snappdragon	3.00	to 4.00	3.00	to 4.00	5.00	to 12.00
Narcissus, Paper White	1.00	to 1.50	2.00	to 3.00	1.50	to 2.00
Freesias	.....	to 2.00	2.00	to 3.00	7.00	to 3.00
Daffodils	1.00	to 3.00	2.00	to 3.00	1.00	to 3.00
Tulips	1.00	to 2.00	3.00	to 4.00	1.00	to 3.00
Sweet Peas	.75	to 1.25	.30	to .75	.35	to 1.00
Corn Flower	.50	to .75	.....	to 1.25	1.50	to 2.00
Gardenias	20.00	to 35.00	.....	to 5.00	5.00	to 16.00
Adiantum	.50	to 1.00	1.00	to 1.25	.....	to 1.00
Smilax	8.00	to 12.00	10.00	to 12.50	15.00	to 20.00
Asparagus Plumosus, Strings (100)	25.00	to 40.00	35.00	to 50.00	35.00	to 50.00
" " & Spreng. (100 Bchs.)	25.00	to 35.00	15.00	to 25.00	15.00	to 50.00

The retail trade generally complain of light demand and this lamentation is reflected and vigorously re-echoed by the wholesale commission men and market dealers. It is fortunate that at such a time the supply of roses and carnations is not ex-

cessive and a fairly steady balance of prices is consequently maintained on these two staples. All bulbous stock, violets, etc., are in excess far beyond requirements and the regular trade makes but little impression on the accumulation, which finds its main out-

(Continued on page 351)

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NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Mar. 6 1915		First Half of Week beginning Mar. 8 1915	
American Beauty, Special	20.00	to 30.00	20.00	to 30.00
" " Fancy and Extra	12.00	to 15.00	12.00	to 15.00
" " No. 1	8.00	to 10.00	2.00	to 8.00
Killarney, Richmond, Extra	5.00	to 6.00	5.00	to 6.00
" " Ordinary	1.00	to 3.00	1.00	to 3.00
Hillingdon, Ward, Sunburst, Extra	5.00	to 6.00	5.00	to 6.00
" " Ordinary	1.00	to 3.00	1.00	to 3.00
Maryland, Radiance, Taft, Extra	4.00	to 6.00	5.00	to 6.00
" " Ordinary	1.00	to 3.00	1.00	to 3.00
Russell, Hadley, Ophelia, Mock	4.00	to 12.00	4.00	to 12.00
Carnations, Fancy	2.00	to 2.50	2.00	to 2.50
" " Ordinary	1.00	to 1.50	1.00	to 1.50

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Wholesale Florists
101 W. 28th St., NEW YORK
We have 20 years' experience behind us.
Telephone, Madison Square 806 and 807.

Flower Market Reports

(Continued from page 349)

let through the hole-in-the-wall stands and similar means. Cattleyas are still suffering from lack of appreciation, we regret to say. A bright spot in the situation is the crimson rose Hadley, which some growers are producing in size and form rivaling the best American Beauty. A. S. Burns is one of the successful growers of this rose and his representative, P. J. Smith says that the choice specimens bring 40 cents.

NEW BEDFORD

about at last reported. Violets are plentiful, and sell well. There is a great deal of good bulb stock, particularly tulips and hyacinths, and it moves slowly. Much of the Easter stock is in forcing now, and every one is looking forward to a good Easter trade.

PHILADELPHIA

Too much stock and business none too good is the gist of the situation here at present. The wind-up last week was particularly bad on account of the big storm which comes along every year about the first week in March. Don't tell me that you never can tell about the weather. Old J. Pluvius is a pretty consistent kind of cuss, I think. Did you ever know him to miss with a good old blizzard about the first week in March? Bulbous flowers were the worst sufferers, and next to them came violets and lily of the valley. Some of the wise ones claim that the extraordinary improvement and importance as a commercial cut flower attained by the sweet pea in recent times has cut up the lily of the valley as well as the violet market—not only in design work but in corsage and general floral decorations. This may be true as to lily of the valley in designs where a white Spencer will make a better show for less money; but not as to violets for corsage wear. There, I think, it is largely a change of fashion—and perhaps to some extent the increasing use of the artificial flower as a corsage—which is a deplorable sign of degeneration in the human—for which cheap sensation, the movies, and lads like Billy Sunday are largely responsible. Trailing arbutus from the south—hail and welcome.

PITTSBURGH

Considering the mid-Lenten season, the market conditions are just about as to be expected, with practically no change since St. Valentine's day. Roses and carnations remain steady, and generally speaking, the supply about parallels the demand, with the exception of sweet peas and bulb flowers, especially tulips, which are somewhat overloading their producers. It almost goes without saying that it is the exclusive social caterer in flowers who feels the dearth in business most at this season, as funerals and the banquets and dinners of commercial and professional organizations and the various secret orders are prone to move along as though there were no such thing as penance with sackcloth and ashes. Charles Penek, the manager for Mitchell Kronis' shops in the stations of the P. R. R., reports their branch of business "picking up a little," and is optimistic for a contin-

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Mar. 6 1915		First Half of Week beginning Mar. 8 1915	
Cattleyas.....	10.00	to 25.00	10.00	to 25.00
Lilies, Longiflorum.....	4.00	to 1.00	4.00	to 6.00
Rubrum.....	1.00	to 5.00	1.00	to 5.00
Lily of the Valley.....	1.00	to 2.50	1.00	to 2.50
Daisies.....	1.00	to 2.00	1.00	to 2.00
Violets.....	.15	to .25	.15	to .25
Snapdragon.....	4.00	to 6.00	4.00	to 10.00
Narcissus, Paper White.....	1.00	to 1.50	1.00	to 1.50
Freessias.....	1.00	to 3.00	1.00	to 3.00
Daffodils.....	1.00	to 2.00	1.00	to 2.00
Tulips.....	1.00	to 3.00	1.00	to 3.00
Sweet Peas.....	.25	to 1.00	.25	to 1.00
Corn Flower.....	.....	to 1.00	.....	to 1.00
Gardenias.....	5.00	to 25.00	5.00	to 25.00
Adiantum.....	.50	to .75	.50	to .75
Smilax.....	6.00	to 10.00	6.00	to 10.00
Asparagus Plumosus, strings (per 100)	35.00	to 50.00	25.00	to 50.00
& Spren (100 bunches).....	10.00	to 25.00	20.00	to 25.00

uance of good, although he frankly admits that business this season has not been half what in was in former years.

ST. LOUIS

The wholesale flower market has been dull. Dark weather and snow has curtailed business somewhat and the commission houses had plenty of stock, especially in carnations, violets, sweet peas and all kinds of bulbs both home grown and Southern shipped stock. Prices have slumped somewhat in all grades.

SAN FRANCISCO

Business has been further curtailed this week. There is some activity in special decorative work for Exposition events, but many florists say that the San Francisco people are simply spending their time at the Exposition, with the result that ordinary retail trade is very slack. The great abundance of bulb stock and other spring flowers also has a depressing effect. Wild flowers—buttercups, eschscholtzias, native iris, etc., are blossoming freely, and home plantings of bulb stock, violets, etc., are coming out so as to interfere with purchases. Fruit blossoms are not so early as in former years, but are becoming rather plentiful. Daffodils are exceptionally fine, but the demand is dropping off and prices are very low. Hyacinths also are overabundant, and tulips are less eagerly sought, while the market is fairly glutted with lily of the valley. More anemones are offered, and some ranunculus has appeared. Beauty roses have been poor all along. Russells are very fine, and so is Sunburst, and there is a large cut of Aaron Ward. Kilarney Queen is also well received, and Brilliant is doing nicely. Milady is not much favored, and some growers are cleaning it out. Gardenias continue to improve, some being shown this week with stems 18 inches long; but a new element of competition in these flowers has caused a cut in prices for ordinary stock, the better offerings being still held up to \$3 per dozen, as usual. Cattleyas are holding fairly well in price, but there are more than will move readily. Rhododendrons and azaleas are fairly plentiful.

WASHINGTON

The usual "Inauguration Weather" prevailed the latter part of last week when Washington was visited by a heavy snow and hail followed by rain and cloudy weather. As a result stock has slackened up considerably. Sweet peas are still very plentiful, the supply being nearly

three times as heavy as it was two weeks ago. There is an oversupply of Easter lilies for those who grow them for the Easter business have commenced shipping their first cut while those who grow them the year round are cutting increased quantities. Rubrum lilies are also hanging fire. Daffodils from Georgia when received in small quantities clean up readily. Consignments from a number of Northern growers have been discontinued, but there is still an oversupply. The demand for daisies has been good all winter. Carnation sales are easier and there are plenty to go around. Early last week there was a glut of roses but weather conditions have caused the supply to lessen greatly. Northern American Beauty roses are more plentiful. The demand for cornflowers is increasing. Adiantum is scarce. Asparagus is also slackening up. There is a good demand for gardenias. Orchids are getting very scarce.

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Ampelopsis Veitchii, 3-yr., extra strong roots and tops, 3 to 4 ft., \$8.00 per 100; 2-yr., strong, 2 to 3 ft., \$4.50 per 100, \$35.00 per 1000; 2-yr., good, 18 to 24 in., 50 by parcel post, \$2.00; \$3.00 per 100; \$25.00 per 1000, by express. All packed to carry safely without extra charge. CHAS. BLACK, Hightstown, N. J.

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Mrs. Watt, the gladiolus of quality; bril-
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robust grower; first size bulbs, \$3.50 per
100; also planting stock (3/4 to 1 inch) of
the following: America, \$1.50; Klondyke
(yellow), \$2.50; Taconic (bright pink),
\$2.75; Augusta (white), \$2.50 per 1000.
Halley, Princeps, Columbia, Mrs. King,
Chicago White, Peace, Niagara, Golden
King and Pendleton—write for prices.
HOMER F. CHASE, Lawrence, Mass.

GLASS

Sharp, Partridge & Co., Chicago.
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Parshelsky Bros., Inc., Brooklyn, N. Y.
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Greenhouse glass, lowest prices. JOHN-
STON GLASS CO., Hartford City, Ind.

GLASS CUTTERS

Smith & Hemenway Co., New York City.
Red Devil Glass Cutter.
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GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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GLOXINIAS

Henry A. Dreer, Philadelphia, Pa.
For page see List of Advertisers.

GOLD FISH

Gold fish, aquarium plants, snails, cas-
tles, globes, aquarium, fish goods, nets,
etc., wholesale. FRANKLIN BARRETT,
Breeder, 4815 D St., Olney, Philadelphia,
Pa. Large breeding pairs for sale. Send
for price list.

GREENHOUSE BUILDING MATERIAL

King Construction Co., N. Tonawanda, N. Y.
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Parshelsky Bros., Inc., Brooklyn, N. Y.
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Lord & Burnham Co., New York City.
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S. Jacobs & Sons, Brooklyn, N. Y.
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Metropolitan Material Co., Brooklyn, N. Y.

A. T. Stearns Lumber Co., Neponset,
Boston.
Stearns Cypress.

GREENHOUSE CONSTRUCTION

King Construction Co., N. Tonawanda, N. Y.
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Foley Greenhouse Mfg. Co., Chicago, Ill.
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Lord & Burnham Co., New York City.
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Hitchings & Co., New York City.
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Pierson U-Bar Co., New York City.

A. T. Stearns Lumber Co., Boston, Mass.

Metropolitan Material Co., Brooklyn, N. Y.

GUTTERS

King Construction Co., N. Tonawanda, N. Y.
King Channel Gutter.
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Metropolitan Material Co., Brooklyn, N. Y.
Iron Gutters.

HAIL INSURANCE

Florists' Hail Asso. of America.
J. G. Esler, Saddle River, N. J.
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HARDY FERNS AND GREEN GOODS

Michigan Cut Flower Exchange, Detroit,
Mich.

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The Kervan Co., New York.
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HARDY PERENNIALS

Bay State Nurseries, No. Abington, Mass.
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P. Ouwerkerk, Hoboken, N. J.
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Palisades Nurseries, Sparkill, N. Y.
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HARDWOOD ASHES

Hardwood Ashes for sale. GEO. L.
MUNROE & SONS, Oswego, N. Y.

HEATING APPARATUS

Kroeschell Bros. Co., Chicago.
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Lord & Burnham Co., New York City.
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HOT-BED SASH

Parshelsky Bros., Inc., Brooklyn, N. Y.
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Foley Greenhouse Construction Co.,
Chicago, Ill.
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Lord & Burnham Co., New York City.
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A. T. Stearns Lumber Co., Neponset, Mass.

HOSE

H. A. Dreer, Philadelphia, Pa.
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HYDRANGEAS

Henry A. Dreer, Philadelphia, Pa.
New French Hydrangeas.
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INSECTICIDES

Aphine Manufacturing Co., Madison, N. J.
Aphine and Fungine.
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Lemon Oil Co., Baltimore, Md.
Standard Insecticides.
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Nicotine Mfg. Co., St. Louis, Mo.
Aphis Punk and Nikoteen.
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Plantlife Co., New York City.
Plantlife.
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Kentucky Tobacco Product Co., Louis-
ville, Ky.
"Nico-Fume."

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Roman J. Irwin, New York City.
Nico Fume Liquid and Paper.
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IVY

English Ivy Rooted Cuttings, 75c. per 100,
post paid. From soil 20 to 30 in., \$3.00.
From pots 12 to 15 in., \$4.00. CHAS. FROST,
Kenilworth, N. J.

LEMON OIL

Lemon Oil Co., Baltimore, Md.
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LILY BULBS

Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
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R. M. Ward & Co., New York, N. Y.
Japanese Lily Bulbs of Superior Quality.
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Corp. of Chas. F. Meyer, New York City.
Meyer's T. Brand Giganteums.
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LILY OF THE VALLEY

Chas. Schwake & Co., Inc., New York City.
Hobmann's Famous Lily of the Valley Pipa.
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McHutchison & Co., New York City.
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Spring Trade and Easter Number, March 20

LILY OF THE VALLEY—Continued

Loechner & Co., New York City.
Lily of the Valley Pipe.
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Lily of the Valley plants, \$5.00 per 1000; clumps, \$8.00 per 100. Polka Rose, stock plants, \$2.00 per 100. 10 lbs. of all varieties. Write HENRY SCHUMBERG, Hammonton, N. J.

MASTICA

F. O. Pierce Co., New York City.
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MODERN IRRIGATION

J. P. Campbell, Jacksonville, Fla.
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NATIONAL NURSERYMAN

National Nurseryman Publishing Co., Inc.,
Rochester, N. Y.
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"NICO-TUME"

Kentucky Tobacco Product Co., Louisville, Ky.
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Roman J. Irwin, New York City.
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NIKOTEEEN

Nicotine Mfg. Co., St. Louis, Mo.
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NIKOTIANA

Aphine Mfg. Co., Madison, N. J.
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NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
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W. & T. Smith Co., Geneva, N. Y.
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Bay State Nurseries, North Abington, Mass.
Hardy, Northern Grown Stock.
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Bobbink & Atkins, Rutherford, N. J.
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Framingham Nurseries, Framingham, Mass.
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August Rolker & Sons, New York City.
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Choicest lawn shrubs, covering plants and border perennials. Large stock. Prices low. Any quantity. Send for list.

WYOMANOCK NURSERIES

R. T. Lebanon Springs, N. Y.

NUT GROWING.

The Nut-Grower, Waycross, Ga.
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ONION SETS

Leonard Seed Co., Chicago, Ill.
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Schilder Bros., Chillicothe, O.
Onion Seed—Onion Sets.
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Onion Sets (32 pounds to the bushel): Crates, 1 bu., 15c.; 2 bu., 25c.; 2 bu. sacks, 10c. We reclean, hand-pick and guarantee sound all our Onion Sets.

Yellow Danvers Sets: 1/2 pk., 35c.; Pk., 60c.; Bu., \$2.00.

White Silver Skin Sets: 1/2 pk., 35c.; Pk., 60c.; Bu., \$2.00.

Red Wethersfield Sets: 1/2 pk., 35c.; Pk., 60c.; Bu., \$2.00.

J. BOLGLIANO & SON,

Baltimore, Md.

ORCHID FLOWERS

Jaz. McManus, New York, N. Y.
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ORCHID PLANTS

Julius Roehrs Co., Rutherford, N. J.
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Lager & Hurrell, Summit, N. J.
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PALMS, ETC.

Robert Craig Co., Philadelphia, Pa.
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August Rolker & Sons, New York City.
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PEONIES

Peonies. The world's greatest collection 1200 sorts. Send for list. C. BETSCHER, Canal Dover, O.

PECKY CYPRESS BENCHES

A. T. Stearns Lumber Co., Boston, Mass.
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PIPE AND FITTINGS

Kroeschell Bros. Co., Chicago.
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Perry, Buxton, Doane Co., So. Boston, Mass.
Second Hand Pipe.
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King Construction Company,
N. Tonawanda, N. Y.
Shelf Brackets and Pipe Hangers.
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PLANT AND BULB IMPORTS

Chas. Schwake & Co., New York City.
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August Rolker & Sons, New York City.
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PLANT TRELLISES AND STAKES

Henry F. Mitchell Co., Philadelphia, Pa.
Headquarters for Plant Stakes.

Seele's Tieless Plant Stakes and Trellises. H. D. SEELE & SONS, Elkhart, Ind.

PLANT TUBS

American Woodenware Mfg. Co., Toledo, O.
Tree Tubs and Brass Hoop Jardinieres.
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H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

PRIMULAS

A. L. Miller, Jamaica, N. Y.
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RAFFIA

McHutchison & Co., New York, N. Y.
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RHODODENDRONS

P. Ouwerkerk, Hoboken, N. J.
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Framingham Nurseries, Framingham, Mass.
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RIBBONS AND CHIFFONS

S. S. Pennock-Meehan Co., Philadelphia, Pa.
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ROSES

Poehlmann Bros. Co., Morton Grove, Ill.
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P. Ouwerkerk, Hoboken, N. J.
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Robert Craig Co., Philadelphia, Pa.
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W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
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Bay State Nurseries, North Abington, Mass.
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August Rolker & Sons, New York City.
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Framingham Nurseries, Framingham, Mass.
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A. N. Pierson, Inc., Cromwell, Conn.
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Waban Rose Conservatories, Natick, Mass.
New Rose Mrs. Moorfield Storey.

Rose Specialists.

THE CONARD & JONES COMPANY,
West Grove, Pa. Send for offers.

SEASONABLE PLANT STOCK

R. Vincent, Jr. & Sons Co., White Marsh Md.
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J. E. Felthousen, Schenectady, N. Y.
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SEASONABLE PLANT STOCK—Con.

Alonso J. Bryan, Washington, N. J.
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North Shore Florist and Nursery Co.,
Beverly Farms, Mass.
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SEED GROWERS

Leonard Seed Co., Chicago, Ill.
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California Seed Growers' Association,
San Jose, Cal.
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Braslinn Seed Growers Co., San Jose, Cal.

SEEDS

Carter's Tested Seeds,
Seeds with a Pedigree.
Boston, Mass., and London, England.
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Schilder Bros., Chillicothe, O.
Onion Seed—Onion Sets.
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Joseph Breck & Sons, Boston, Mass.
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Kelway & Son,
Langport, Somerset, England.
Kelway's Celebrated English Strain Garden Seeds.
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J. Bolglano & Son, Baltimore, Md.
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Chas. Schwake & Co., New York City.
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Mitchell's Seed House, Philadelphia, Pa.
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W. Atlee Burpee & Co., Philadelphia, Pa.
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R. & J. Farquhar & Co., Boston, Mass.
Seeds for Present Sowing.
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Thos. J. Grey Co., Boston, Mass.
Seeds for Present Planting.
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Leonard Seed Co., Chicago, Ill.
Peas, Beans, Radish and all Garden Seeds.
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J. M. Thorburn & Co., New York City.
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S. Bryson Ayres Co., Independence, Mo.
Sweet Peas.
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Loechner & Co., New York City.
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S. D. Woodruff & Sons, New York.
Garden Seed.
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Ant. C. Zvolanek, Lompoc, Cal.
Winter Flowering Sweet Pea Seed.
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S. S. Skidelsky & Co., Philadelphia, Pa.
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August Rolker & Sons, New York City.
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Burnett Bros., 98 Chambers St., New York.
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Fottler, Fliske & Rawson Co., Boston, Mass.

SKINNER IRRIGATION SYSTEM

Geo. N. Barrie, Brookline, Mass.
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SNAPDRAGONS

Thoroughly Tested Strains.
Silver Pink, Golden Fleece, Pure white (winter bloomer). Rooted cuttings, \$2.00 per 100; potted plants, 2-inch, \$1.00 per 100.
F. SOUTHWORTH,
25 Hudson St., Lynn, Mass.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. LAGER & HURRELL, Summit, N. J.

SPIRAEAS

W. E. Marshall & Co., New York City.
Spiraeas for Easter Forcing.
For page see List of Advertisers.

STOVE PLANTS

Orchids—Largest stock in the country—
Stove plants and Crotons, finest collection.
JULIUS ROEHRS CO., Rutherford, N. J.

STRAWBERRY PLANTS

Strawberry Plants, twenty varieties, at
\$2.50 per 1000. Catalogue free. BASIL
PERRY, Georgetown, Delaware.

SWEET PEA SEED

Ant. C. Zvolanek, Lompoc, Calif.
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S. Bryson Ayres Co.,
Sunnyslope, Independence, Mo.
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"JOHN BAER" TOMATO

J. Bolgiano & Son, Baltimore, Md.
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TRITOMAS

Tritoma Pfizler, strong crowns. Write
for prices. THOMAS J. OBERLIN, Sinking
Spring, Pa.

VASES

M. D. Jones Co., Boston, Mass.
Jones Reservoir Vases.

VENTILATING APPARATUS

The Advance Co., Richmond, Ind.
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The John A. Evans Co., Richmond, Ind.
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VERMICIDES

Aphine Mfg. Co., Madison, N. J.
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WIRED TOOTHPLICKS

W. J. Cowee, Berlin, N. Y.
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WIREWORK

Reed & Keller, New York City.
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Komada Bros., Philadelphia, Pa.
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WILLIAM E. HEILSCHER'S WIRE
WORKS, 264 Randolph St., Detroit, Mich.

WHOLESALE FLORISTS**Albany, N. Y.**

Albany Cut Flower Exchange, Albany, N. Y.
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Baltimore

The S. S. Pennock-Meehan Co., Franklin
and St. Paul Sts.
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Boston

N. F. McCarthy & Co., 112 Arch St. and
31 Otis St.
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Welch Bros. Co., 226 Devonshire St.
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Brooklyn

Wm. H. Kuebler, 28 Willoughby St.
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Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.
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Chicago

Poehlmann Bros. Co., Morton Grove, Ill.
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Cincinnati

C. E. Critchell, 34-36 Third Ave., East.
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Detroit

Michigan Cut Flower Exchange, 38 and 40
Broadway.
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New York

H. E. Froment, 57 W. 28th St.
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James McManus, 105 W. 28th St.
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B. S. Slinn, Jr., 57 West 26th St., N. Y. City.
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W. F. Sheridan, 133 W. 28th St.
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P. J. Smith, 49 West 28th St., N. Y.
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**WHOLESALE FLORISTS—Continued
New York.**

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Charles Millang, 55 and 57 West 26th St.
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W. P. Ford, New York
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The S. S. Pennock-Meehan Co., 117 West
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Traendly & Schenck, 131 W. 28th St.
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Badgley, Riedel & Meyer, Inc., New York.
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Woodrow & Marketos, 37 & 39 West 28th St.
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J. K. Allen, 106 W. 28th St.
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George C. Siebrecht, 109 W. 28th St.
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John Young, 53 West 28th St.
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M. C. Ford, 121 West 28th St.
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Guttman & Reynor, Inc., 101 W. 28th St.,
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Philadelphia

Leo, Niessen Co., 12th and Race Sts.
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Edward Reid, 1619-21 Ranstead St.
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The S. S. Pennock-Meehan Co., 1608-20
Ludlow St.
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Stuart H. Miller, 1617 Ranstead St.
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Richmond, Ind.

E. G. Hill Co.

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Rochester, N. Y.

George B. Hart, 24 Stone St.
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Washington

The S. S. Pennock-Meehan Co., 1216 H St.,
N. W.
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New Offers In This Issue**BODDINGTON'S ASTER SEED.**

A. T. Boddington, New York City.
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BOUQUET HOLDERS.

M. D. Jones Co., Boston, Mass.
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BULBS OF DISTINCTIVE QUALITY.

Henry F. Michell Co., Philadelphia, Pa.
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DRACAENA CANES.

Colin Campbell, New York City.
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PLANTS FOR EASTER.

S. S. Pennock-Meehan Co., Philadelphia, Pa.
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**POMPON CHRYSANTHEMUMS AND
BEDDING PLANTS.**

R. Vincent, Jr. & Sons Co.
White Marsh, Md.
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TUBEROUS ROOTED BEGONIAS.

R. & J. Farquhar & Co., Boston, Mass.
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WAGON FOR SALE

A closed panel top florists wagon.
It is in first class condition and
will be sold cheap.

J. M. WARD & CO.

Peabody, - - - Mass.

HELP WANTED**FLORISTS WANTED**

Must be experienced and with written
references. Apply at C. C. Trepel's Cut
Flower Department, care Bloomingdale
Bros., 59th St. and 3rd Ave., New York
City, between 3 and 5 o'clock P. M.

WANTED—Expert inside and outside
gardener on small suburban place near
Philadelphia containing large collection of
plants. Must be willing worker and also
capable of taking charge in owner's ab-
sence. State nationality, age, education,
experience, references and wages wanted.
Thorough knowledge of hardy, also of
greenhouse plants needed. Reply to X,
care HORTICULTURE.

SITUATIONS WANTED

SITUATION WANTED by young man,
Scotch, age 25, as assistant gardener on
private place; 9 years' experience in both
outside and inside work; 3 years in present
place as foreman; can furnish best of re-
ferences. Address F. McKENZIE, Box 22,
Weatogue, Conn.

SITUATION WANTED—By expert flor-
ist; German, single; best references for
character and ability; 14 years' experience.
PAUL WILHELM, 2 Hagy Place, Pitts-
burgh, Pa.

FOR SALE**FOR SALE**

5½ acres of land, 4 greenhouses, about
25,000 ft. of glass; boiler house 35x50 con-
crete blocks; cellar under all. Return tubu-
lar boiler brick set; will heat 40,000 ft. of
glass. Good supply of water. Few feet
from R. R. siding and about 30 miles from
N. Y. City. Plenty of young stock. Six
thousand dollars required, rest on easy
terms. Renters need not apply.
KRAMER BROS., Farmingdale, L. I., N. Y.

SIX GREENHOUSES FOR SALE.

Containing 25,000 Carnation plants. One
24 x 170; two 24 x 120 each; one 24 x 100;
one 20 x 85; glass 16 x 24. One dwelling
house, seven rooms, and one of six rooms.
Barn 50 x 100; 65 acres of land; R. R. sta-
tion and siding in front of land. Very easy
terms. 20 miles from Boston. M. N., care
"Horticulture."

FOR SALE—Fresh from factory, new;
10 x 12, 16 x 18, 16 x 24, double thick. A
and B qualities. Market dropped. Now is
the time to buy and save money. PAR-
SHELSKY BROS., INC., 215-217 Have-
meyer St., Brooklyn, N. Y.

MISCELLANEOUS

WANTED to buy a greenhouse estab-
lishment, not less than 30,000 ft. of glass,
modern houses, in good repair. State full
particulars and terms in first letter. R. E.
care HORTICULTURE.

THE NUT-GROWER

The unique monthly publica-
tion which furnishes reliable
and interesting up-to-date in-
formation regarding the value
of pecans and other edible nuts
and how to grow them for profit.

Subscription, \$1.00 per year

Sample Copy Free

THE NUT-GROWER
WAYCROSS, GA.

Spring Trade and Easter Number, March 20

Est. 1765

FOR "POT LUCK" USE

Inc. 1904

Pot Makers for a
Century and a Half**HEWS STANDARD POTS**World's Largest
Manufacturers

AND RED EARTHENWARE SPECIALTIES

Write for Catalogue
and Discounts**A. H. HEWS & CO., Inc., Cambridge, Mass.**Warehouses:
CAMBRIDGE, MASS.
NEW YORK, N. Y.**AN INTERESTING IRRIGATION
PROJECT.**

Mr. Theodore Strawn of DeLand, Florida, has contracted for what will be a very unique and at the same time very efficient irrigation plant on what he calls his Island Grove at DeLeon Springs.

The distribution of water in this plant is to be through a new type of sprinkler known as the Turbo-Irrigator, which when placed on stand pipes 100 feet distant from each other and extending up through trees, will thoroughly and evenly distribute water in the form of fine rain over the entire surface.

The standpipes, which on account of the trees being very large, average over 20 feet in height, will be supplied with water under pressure by an underground pipe system forced direct by a two-stage centrifugal pump operated by an oil engine situated at a nearby lake.

The large area covered by these sprinklers, which are manufactured by J. P. Campbell of Jacksonville, Florida, greatly reduces the cost of irrigation, especially for orchard use, and as the cost of a modern system of irrigation of this kind has heretofore been almost prohibitive, many of the leading growers of Florida are awaiting the completion and testing out of this plant with great interest.

NEW CORPORATIONS.

Chicago, Ill.—Retail Florists' Company, capital stock, \$5,000. Incorporators, E. C. Glenny, W. B. Braun and Thomas O. Gibbs.

Elmhurst, Ill.—Meyer & Dramm Company, growers, capital stock, \$30,000. Incorporators, Fred C. Meyer, Eugene R. and Herman H. Dramm.

Chicago, Ill.—A. T. Pyfer & Company, wholesale florists, capital stock, \$5,000. Incorporators, Harry E. Philpott, V. Bezdek, Nettie Parker and A. T. Pyfer.

New York, N. Y.—Harry A. Bunyard Company, to deal in seeds, plants, bulbs and horticultural supplies, capital stock, \$25,000. Incorporators, Harry A. Bunyard, Frank M. Duggan, Frank Ingenthron.

Washington, D. C.—American Electro-Cide Company, to conduct a system

A HANDY TOOL FOR CUTTING GLASS**"RED DEVIL" No. 6**

Has six wheels in the handle and outlasts six ordinary glass cutters in efficiency and economy. Sent postpaid for 30 cents. Booklet on request.

SMITH & HEMENWAY CO.
181 Chambers St., New York City.

**NIKOTEEN For Spraying
APHIS PUNK For Fumigating**

ASK YOUR DEALER FOR IT.

NICOTINE MFG. CO. ST. LOUIS, MO.**RED CEDAR**Write for Catalogue
**Tree Tubs and Brass Hoop
Jardinieres**

The extension stave foot prevents the bottom from rotting. No chance for water to collect and rot the floor.
The American Woodenware Mfg. Company
Toledo, Ohio, U. S. A.

of destroying insects harmful to plants in the soil and on the plants, by electricity, capital stock, \$300,000. Incorporators, G. Edward Woodward, M. W. Sparks, G. L. Peckham and James M. Chadsey.

**GREENHOUSES BUILDING OR
CONTEMPLATED.**

New Berlin, O.—G. L. Nidy, one house.

Newport, R. I.—Rev. Roderick Terry, house 20 x 73.

Brooklyn, N. Y.—Joseph Trepel, 1070 Flatbush avenue, in contemplation.

Huron, S. D.—Huron Greenhouse Company, additions.

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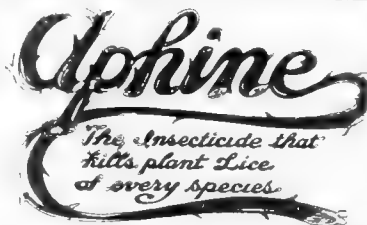
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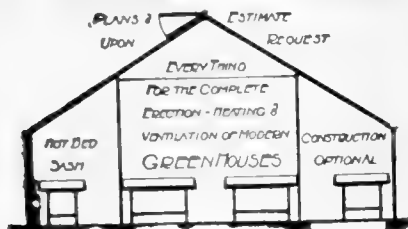
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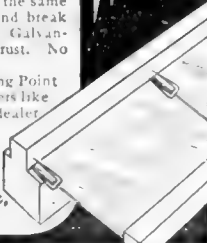
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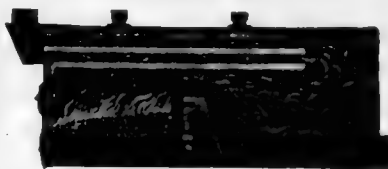


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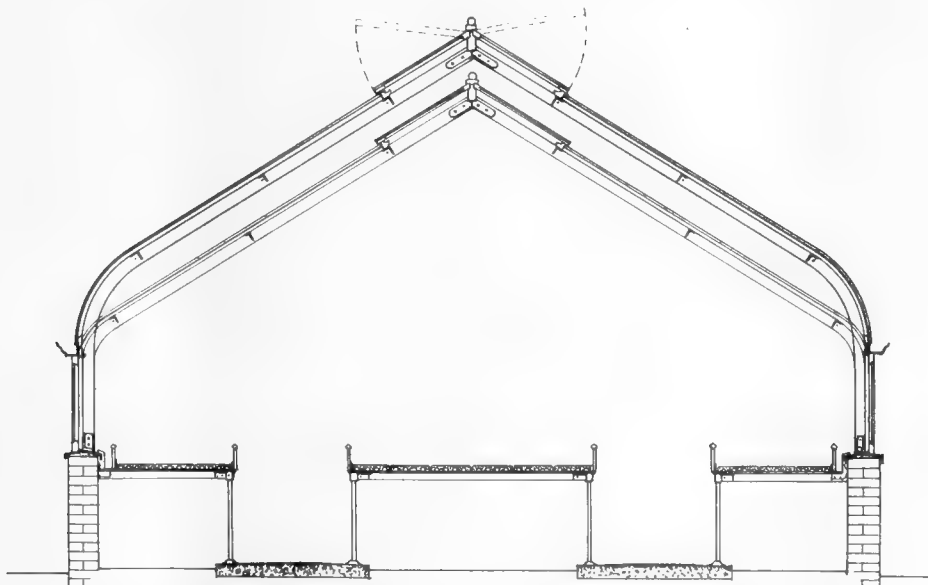


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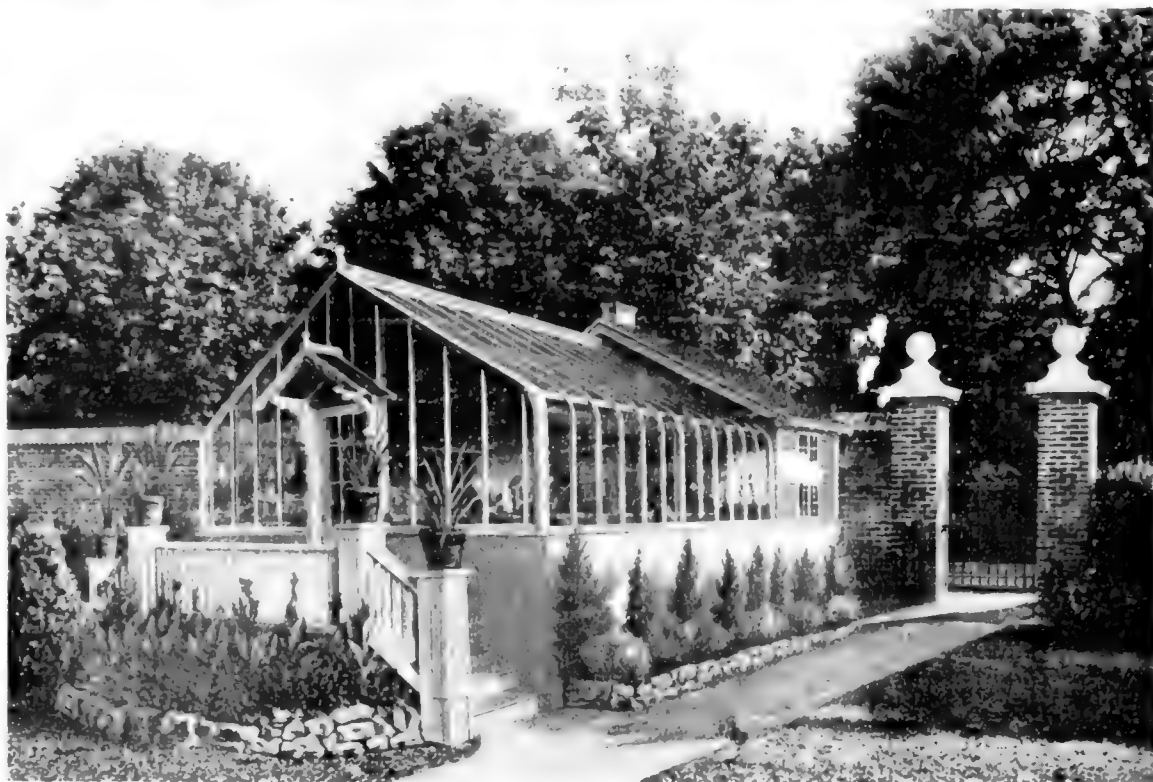
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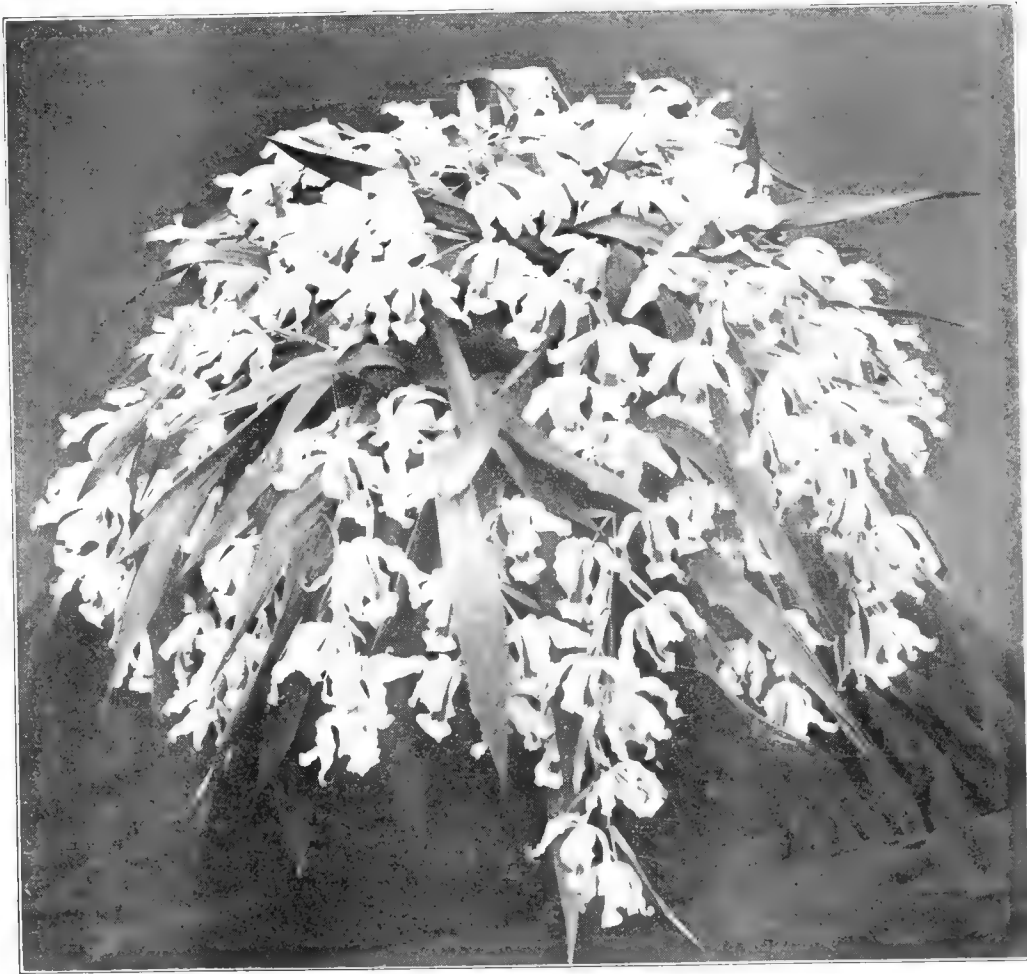
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MARCH 20, 1915

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Alice. Large semi-double, silvery-rose suffused with carmine.

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Juno. Strong upright plumes of deep violet rose.

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Venus. Deep violet rose.

Vesta. Light lilac rose.

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Polyphyllus Moerheimi. The most beautiful variety yet introduced; a combination of light and dark shades of pink. \$2.50 per doz.; \$18.00 per 100.

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NEW ORIENTAL POPPY "PERRY'S WHITE."

A sterling novelty and the most distinct break that has yet been made in Oriental Poppies, it being a pure satiny-white with a bold crimson blotch at the base of each petal; this is undoubtedly the most important addition to our list of hardy perennial plants this season. 35 cts. each; \$3.50 per doz.; \$25.00 per 100.

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W. & T. SMITH COMPANY, Geneva, N. Y.

EASTER—THE SEASON OF OPPORTUNITY

Greetings to my brother florists and may good fortune attend you all upon this Easter-tide! Once more does Mother Earth awake from her slumber, ready to clothe herself in all her most wonderful garments, bestirring herself to provide adornment in her gems. We florists have a most important mission to perform in bringing Nature's jewels and messages of her Spring awakening close to the busy, bustling, mercenary crowd, who have strayed far from the fresh, wholesome contact with the living things of Mother Earth. The Spring brings with it a stimulation of interest, a rejuvenated enthusiasm in matters rural and natural. The tired city folks, wearied with the confining and sordid labors of the winter, renew the annual back-to-the-land propaganda, and it is to the florist, the proxy of Nature, that they turn. If every right-thinking flower merchant will only realize that he is one of her representatives, employed in her behalf to convey Nature's beautiful offerings to the cave dwellers of our cities, the selling of flowers will become the respected profession that it should be.

Easter is the season of opportunity for the florist. At no other holiday period of the year is there such a variety to present to lovers of flowers. We prepare for the season several weeks—in fact, months before Easter Sunday. Our baskets, hampers, pots, and boxes are selected long before the rush begins, and we make contracts with growers and wholesalers far in advance, to assure enough stock of high quality at a reasonable price. It is hardly necessary for me to dwell on preparations for delivery, packing, extra storage room, etc. Our popular advertising campaign for Easter starts about two weeks ahead, gradually increasing space and frequency of insertions until the last day.

The exquisite baskets, hampers and pans now made for the florist present a splendid opportunity at this time of year. The effective grouping of well-chosen blooms in pretty receptacles invariably stimulates their sale and if it will do so this season, we want more of it. The Easter of 1915 promises to be the biggest yet for the florist who is up and doing. Never before have we had such a variety of stock, colors and quality to choose from. It is up to every wide-awake man to take advantage of these in connection with the little accessories that help to increase profits, such as pottery, baskets, ribbons, butterflies, rabbits, ducks, etc. Many a sale has been induced through the combination of flowers, basket, and

that odd touch secured by the addition of a mounted butterfly or chicken. Baskets of unique shape find a profitable market at Easter, especially the Italian egg-shaped baskets of white and pale green. Those white enameled baskets of French design, about three and a half feet in height, are very pleasing to the eye; filled with Beauties or lilies and the handle trimmed with ribbon, we have never found any difficulty in disposing of them.

Easter sentiment runs strongly for lilies. The florist who creates unique arrangements of these stately blooms will find himself greatly in demand. We endeavor to sell them in combination with large wicker baskets or hampers. Even a simple pot cover will materially aid in selling them.

The special feature of the Easter trade this year will be the long vase initial baskets with high handles for spring flower effects. They are cheap, attractive and with us have proven easy sellers. But now-a-days there is a special basket for every flower—lilies of the valley, orchids, gardenias, sweet peas, roses, etc. With the proper ribbons these make splendid Easter gifts. Get the public in your town to appreciate this fact by showing them effectively in your windows.

Lavender and white are the traditional Easter colors. This means simplicity of color—the prevailing floral atmosphere of the season. The riot of colors, reds, yellows, lavenders, purples, cream shades, orange, etc., are not so much in evidence at Easter as they are at Christmas time. We look for delicate light tints at Easter. Colors which tend toward light, have their greatest beauty in their brightest tints; and those which similarly tend towards shade are most beautiful in their greatest depth of fulness.

Undoubtedly there are many people who dislike the element of fashionable frivolity which has come to mark the general keeping of Easter; but as long as it finds some expression through flowers as well as clothes, we florists ought to feel proud of our position as distributors of Dame Nature's floral offerings. The story of Easter is proclaimed every spring over all the earth, in greening grass and budding trees and springing flowers. Brother-florists, we are on the right side!

Henry Benn

IF YOU WANT TO MAKE BUSINESS

Get Your Ad. in Next Issue for it will be

A TRADE PULLER

Copy should reach us by Wednesday, March 24, and as much sooner as possible

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Awake, thou wintry earth!
Lend off thy sadness!
Plant coral flowers, laugh forth
Thy ancient gladness!
Christ is risen!

The Queen of Flowers—The unfortunate conditions have been organized her body guard at and it would have been in New York or all and those of her votaries who will receive a loyal and which has probably done more than any other garden the world will find here no sentiment, "a bush for every garden," has been taking on a new activity within the last few years the adaptability of the hybrid teas and little polyanthas for culture in the home garden and the character becomes known. The American Rose Society has now a field for activity which is practically limitless.

The Carnation: will it come back?" This was the title of a paper which recently appeared in one of our contemporaries as written by a prominent member of the craft. The presumption naturally follows after reading the title that the carnation has been waning in prestige and popularity, which, however, from a low point would seem to be a debatable proposition. A careful survey of the records of the past few years would hardly bear out the conclusion that the carnation has suffered to a greater extent than any other one of the leading flower market staples, from the aggressions of other specialties or from the general business depression which has borne more or less severely on all branches ever since last summer. It is, of course, up to the carnation men themselves to hold their divine flower up to the popularity it merits, by an alert and well-considered publicity policy in respect to the general public. "Where there's a will, there's a way."

Should be encouraged—A very potent advertisement, fruitful with beneficial publicity for the plant and flower industry is the fast increasing custom of spring "openings" with floral decoration, in the big department stores in various cities. These events come at a season when fresh decorative material is most abundant, when the grower can readily furnish the large quantity of material needed to make an impressive showing in these vast establishments and at a fair profit, and consequently it is the part of business wisdom to encourage the extension of the practice. The advantage of having such a means of remunerative sale for the abundant spring product is really only a minor consideration, the greater benefit to the flower people being the presenting of their goods before myriads of interested observers, in their most attractive and practical form in the most frequented marts. As an incentive to the popular desire to have such things and an education in their proper use, the department store has qualifications which make it easily the peer of the regulation flower show.

Worth the price—The great majority of men in the trade, and the public as a whole, have little realization of the vicissitudes through which an Easter lily must pass between the time of the starting of the tiny bulblet in the field, and the time when, toggled out in its Easter ribbon, it

NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil."—*Pope*.

Crotons

Crotons will now want plenty of water and syringing. Examine each pot at least once a day. On all good days use the syringe freely as it helps to keep down mealy bug and red spider. These plants like to be close to the glass; it makes them grow stocky and helps their coloring. Crotons like plenty of light so long as it does not burn the foliage. Do not fail in damping down under the benches and walks at least every morning and afternoon. Make it a point to freshen the air once a day even if for only a short time.

Dracaenas

Retail growers in whose line business decorating with plants plays a prominent part, generally make free use of dracaenas. All plants pressed every now and then into service of this kind, soon lose their individual beauty, become shabby and useless even for this sort of work. So now is the time to rejuvenate our stock in dracaenas. Cut into pieces of from one to two inches long, the thickest to be split lengthwise of the stems, the heaviest of the roots to be treated in the same way, and all these pieces to be strewn thinly over a bottom-warmed layer of pure sand. A hot-house propagating case answers best, though a pretty warm corner of the common propagating bench covered with spare sashes, will also do. If kept moderately but constantly moist and bottom heat does not give out before that time little plants of half a finger's length will in 20 to 30 days work their way up through the top covering.

Final Preparations for Easter

Easter being early this year it is not likely that much of the stock intended for that holiday is greatly ahead of time. For the preservation of any such, cool and somewhat darkened quarters must be chosen. The remaining days of March have yet so much of chilly winter in them that any holding back of too forward stock, or its keeping in acceptable condition, should not prove difficult. A day or two could now be devoted to

the filling of pans, fancy dishes and baskets, even going to the extent of filling a few indoor window boxes of attractive exterior and convenient size, such as last year found ready sales at good prices. Whatever is done in this line of work should give proof of artistic taste in the arrangement of the plants used and care in their makeup.

Propagating Bougainvilleas

These plants will root from half-ripened wood that has two or three joints. They will want plenty of bottom heat—anywhere from 75 to 80 degrees. See that each cutting is set firm. They will need shading, and frequent sprinkling or light syringing. When they show a root growth of about half an inch they should be potted in a rich compost—something like turfy loam three parts, well decayed cow manure one part, and enough sand to hold the compost open. These plants are rapid growers so will want frequent shifts until in 6 or 7 inch pots. Keep them well up to the glass so that they will grow stocky and short jointed.

Seedling Tuberous Begonias

Seedlings sown early in January and pricked out later should now be large enough to go into small pots. The one aim in growing this class of begonias is to push them along quick without any check. Screened fibrous loam and leaf mold in equal parts, with some sand will suit them. When they are potted place them well up to the glass and in a temperature of about 60 degrees. They will need shading during mid-day but are better for full light early in the morning and late in the afternoon. Shift as they may require until they reach a 5-inch pot. They like a moist atmosphere but not humid close air.

Propagating Double Pyrethrums

These will soon root in a cool propagating bed. When rooted they can be potted off and grown on and by the first of May they can be planted out. These are fine to cut for "made-up" work.

Next Week:—Cannas; Foliage Plants; Primulas; Preparing Ground for Carnations; Sweet Peas; Keeping a Diary.

reaches its destination and takes its brief proud station in milady's window on Easter morning. While never favoring exorbitant prices or undue profits on the wares of the florist we are always sorry when conditions force the disposal of plants or flowers at prices which manifestly do not yield a legitimate profit over the cost of their production, in money, skill and labor. Among the unforeseen contingencies in the matter of lily bulb importations for the present season was the interning of a number of steamers early in the course of the great

European war—boats carrying large cargoes of lily bulbs shipped minus war insurance and, so far as we can learn, many hundreds of these cases still on the boats, untouched since last July. Every bulb thus wasted means a definite loss to somebody which, in the prevailing conditions of close competition and price cutting, cannot be retrieved. We hope, for the interests of all concerned, that the Easter lily market may steady itself nicely and make a good record, yielding an adequate return for those to whom the occasion means so much.

Retarding Orchids

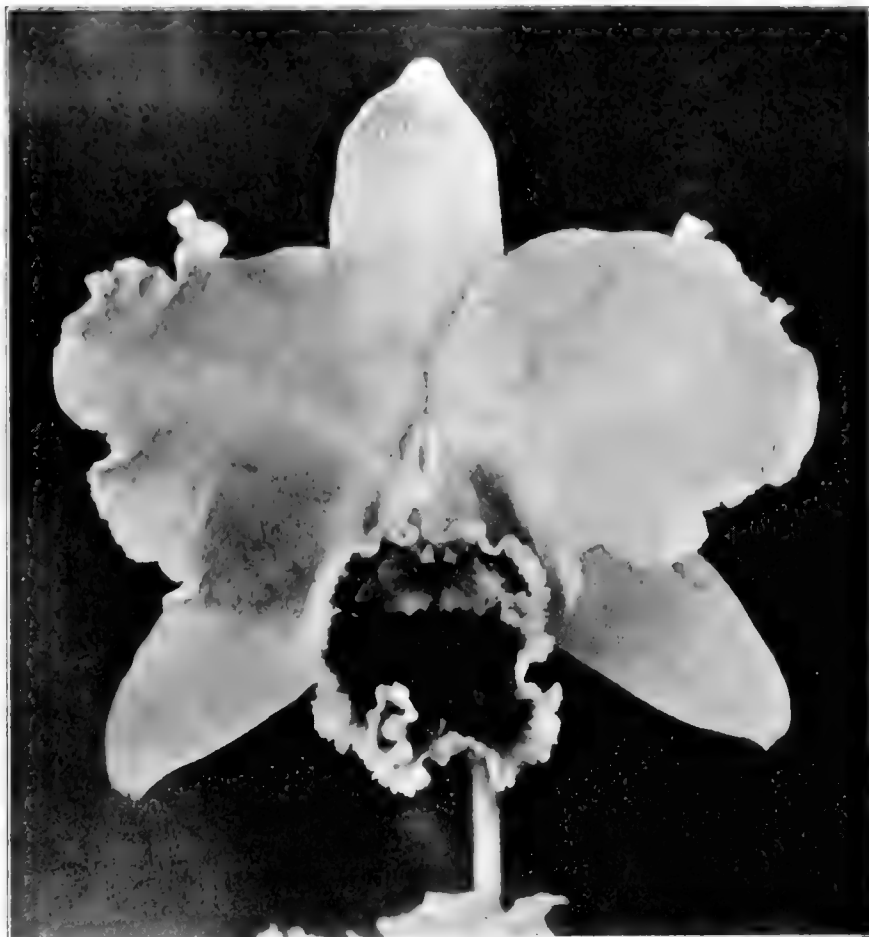
Although the retarding of florists' flowers has been largely practised for many years with considerable commercial success, it is only recently that attention has been given to the subject by orchid growers. With the ever increasing multitude of hybrids flowering, as they do, throughout every week of the year, it may be asked why there is any necessity to attempt the production of orchid flowers outside their natural season. With the amateur who has but one desire, and that to see things as and when Nature demands, there is, of course, no need to attempt the alteration of the plants' respective seasons of flowering; but with the large trade growers, who have to produce a quantity of bloom during the certain seasons of the year when market prices are at their best, it is at once evident that every means must be utilized to meet the demand.

Although many species may be equally beautiful to the eye, and may probably have the same decorative effect, there is a vast difference in their lasting qualities, and for this reason some species have a higher market value than others. For instance, during the summer months the demand for *Cattleya Gaskelliana* is good, but it ceases directly *C. labiata* makes its appearance; and although the supply of the former may last well into the autumn months it is practically unsaleable on account of the better lasting qualities of the latter species. No one, therefore, ever thinks of attempting the retardation of *C. Gaskelliana*.

The flowers of *Cattleya Trianae*, which open during the late winter months, are of a comparatively thin and delicate structure, and make poor subjects for cut-flower purposes, but they fill up what is oftentimes a wide gap between the autumn flowering *C. labiata* and the spring flowering *C. Mossiae*. To cover up this gap with better material is where the retarding of *C. labiata* proves very useful and effective. The process mainly consists of starting the plants into growth late in the spring months and delaying the production of the flowers by placing the plants, as soon as their bulbs are matured, into cooler surroundings. A cool corridor or house where the atmosphere is fairly free from moisture proves the most suitable place, for when the plants are in a comparatively dry state they safely withstand a much lower temperature.

The first year's treatment of this kind may only cause the plants to flower about a month later, but their resting season being proportionately retarded causes them to commence their new growth at a later period in the following year, and their season of flowering will then be two or three months later than the normal time. Thus it is possible to ensure a supply of *Cattleya labiata* right through the winter season, and, as many have found to their advantage, good *Cattleyas* make high prices during Christmas week.—*The Orchid World*, London.

New Cattleyas



PERCIVALIANA VAR. THE KAISER

The accompanying picture shows a most remarkable cattleya with very broad, wavy petals of firm substance. The lip is of the brightest purple color with a paler margin. All in all it is the finest formed *Percivaliana* we have ever seen. The photograph was made at the orchid houses of Julius Roehrs Company at Rutherford, N. J. The flower is of enormous size, the engraving being greatly reduced in diameter.

CATTELEYA TRIANAЕ—"MRS. ALMIRA COOLEY."

Amongst the thousands and hundreds of thousands of *Cattleya Trianae* which have been imported from their native habitat to this country, there have been found some extraordinary

varieties, but the above mentioned is the finest we have ever been fortunate enough to see in flower. It belongs to the Albino type. The flower is extraordinary in size, perfectly round in form, and is of an unusually heavy substance. The petals are very broad, of the purest white imaginable, and beautifully frilled at the edges. The sepals are of the same color, and an inch broad, which fills the flower completely. The lip is round and open, white, with a most delicate pink shade hardly visible. The throat is marked with a bright yellow blotch and veining. This plant is in the collection of W. A. Manda, South Orange, N. J. Mr. Manda has dedicated this extraordinary flower to Mrs. Almira Cooley, the mother of one of the most ardent collectors of orchids in America.

CELOGYNE CRISTATA.

The beautiful specimen of this useful orchid which adorns our title page this week was grown by George Jacques, superintendent on the estate of Mr. William G. Mather, Cleveland, Ohio. It was grown in a 9-inch pan, had forty-three trusses of bloom, the number of flowers being two-hundred and fifteen. *Cœlogyne cristata* and *cristata alba* are very desirable for florists' use in bridal and other choice work. It is one of the easiest orchids to grow.

Dr. Felt, state entomologist, told the Western New York Horticultural Society, at its recent meeting in Rochester, that there had been a decrease of 48 per cent. in the number of native birds, in the last 15 years, and that it is reasonable to believe that there has been a corresponding increase in the number of insect pests. He declared that the farmer and fruit grower can well afford to accord due protection to the insectivorous birds.

CARNATION DISEASES.

Report of the Floricultural Pathologist, University of Illinois Agricultural Experiment Station, Urbana, Illinois, presented before the Illinois State Florists' Association at Urbana, Illinois, March 2, 1915 by Geo. L. Peltier.

Stem Rot of Carnations—*Rhizoctonia solani* Kuhn.

We now have in the process of publication, as a bulletin, the results of the last three years' work on the fungus causing the stem rot of carnations. This bulletin will be of a more or less technical nature, but will be of value to the florist.

The fungus *Rhizoctonia* has been reported in the United States as causing more or less trouble to 164 species of plants. About one half of this number include floricultural and ornamental plants commonly grown by the florists. The fungus is extremely serious in the cutting bench, not only to carnations, but to practically all cuttings made from herbaceous plants. In the seed beds it will attack seedlings of a large number of plants, causing the well known symptoms of "damping off." It is from the seed bed and cutting bench that the fungus is carried, to a large extent, into the fields and benches, causing more or less loss throughout the year.

Cross inoculation experiments show that one species of *Rhizoctonia* is the cause of all the trouble. As I have stated before, this fungus has been found to attack a large number of plants including field and vegetable crops, floricultural and ornamental plants, and many weeds. The fungus has also been found growing in the soil on dead plant material, so that it is probably present, to a certain extent, in most fields. It is quite clear then, that *Rhizoctonia* is present in almost every carnation field, as well as the soil that is put in the benches.

You may inquire then—why are not all carnation plants destroyed in the field? *Rhizoctonia* is what we call a facultative parasite; that is, under ordinary conditions it is a saprophyte—living on dead plant parts—but under certain conditions it becomes an active parasite and can attack and kill plants of all ages readily. As I have mentioned in previous reports, the conditions necessary for its parasitic development, depend on a high temperature and, to some extent, on moisture.

It is hoped that by next fall another bulletin taking up more specifically the work on the carnation stem rot will be ready for distribution.

Branch Rot of Carnations, *Fusarium* sp.

This disease has been under observation again this season. The fungus is able to attack the cuttings very easily and it is by the use of infected cuttings that the disease is spread in the field and house.

The completion of the work on stem rot will allow us to take up the study

of the fungus and methods of control more fully in the greenhouse.

Carnation "Yellows."

As I have suggested in past reports, the only way this disease may be controlled is by the selection of cuttings from plants showing no signs of this trouble. During the current year, a from a number of varieties and the results have come out surprisingly well. Cuttings taken from plants showing "yellows" badly, produced plants of the same type. Cuttings taken from slightly diseased plants, produced only a few healthy, a number with "yellows," while the majority of plants showed only slight attacks of "yellows". When cuttings were taken from apparently healthy plants, they developed, in the majority of cases, into more vigorous plants showing no "yellows." Occasionally cuttings taken from an apparently healthy plant would all produce plants with "yellows" which tends to show that care must be exercised in the selection of cuttings from healthy plants.

Another selection from the first year's work has recently been made, together with a further selection from the stock now in the greenhouse.

Antirrhinum Rust—*Puccinia Antirrhini*, Diet. & Holw.

Due to the serious nature of the snapdragon rust, Mr. Rees has devoted his entire time, during the past year, to this problem. It has been reported in nearly all the middle western states, in Massachusetts, and again in Oregon and California.

The rust appears on the plants in the field about the last of July. The uredo (summer) stage persists until fall when the teleuto (winter) pustules are found on the stems and branches. The uredo, and to some extent the teleuto stage, is also found in the greenhouse throughout the winter, on cuttings, seedlings, and later on the mature plants. During spring the rust seems to die out in the house, reappearing in the field during the late summer.

Mr. Rees published an account of this trouble last fall in all the trade papers, which no doubt most of you have read.

Stem Rot (*Fusarium* sp.) and "Yellows" of Asters.

During the current year, a large number of inquiries relating to various plant diseases were answered. The troubles most commonly reported last summer were the "stem rot" and "yellows" of asters. We are planning to carry on some experimental work for several seasons, on the aster troubles, particularly the two mentioned above.

Dry Rot of Gloxinias.

We are also planning some work on a dry rot of *Gloxinia* bulbs, a disease which has recently been brought to our attention and which appears to be quite serious.

British Horticulture

Business as Usual.

Despite the depressing influences of the war and the tendency to upset the conditions which prevail in normal times, the nursery and seed trade are doing their utmost to maintain things at the usual level. For instance, the trade are rallying around the Royal Horticultural Society in keeping the shows going at the usual high standard. There was a meritorious display at the Society's show in London on Feb. 16th. Alpine plants were a special feature, and in this department many of the leading specialists showed some notable specimens. There were saxifrages of the buseriana type, including several new varieties. From China was shown *Primula sylvicola*, in the exhibits of Wallace & Co. Barr & Sons obtained awards of merit for three new crocuses—*C. biflorus* Alsandri, *C. b. Lemon Queen*, and *C. Imperati albiflora*.

Popularity of American Apples.

The "apple habit" is now firmly rooted in the British public. This is indicated by the increased number of grocers who now make a feature of this fruit. Our national fruit bill each year includes the sum of two million pounds for imported apples. With the abundant supplies pouring into our shores from America, Canada and Australia, it is possible to have apples on the dessert table all the year round. British growers are gradually improving their methods—the examples of the American and Colonial competitors have not been ignored. This season, as usual, the markets have been well furnished with apples from California, chiefly Newtown Pippins, the Oregon district, and from Nova Scotia. The fruit usually arrives in excellent condition, and meets with a ready sale at remunerative prices. Besides apples we are largely dependent upon America for our pear supplies. From the fertile Californian ranches we receive supplies of excellent samples of Winter Nelis, Glou Moreau, and Easter Beurre. For a cheaper trade the barreled American Keiffers find great favor. Although in recent years increased attention has been paid to fruit culture in Britain, we should come badly off had we to depend solely on the home supplies of fruit. Although there have been delays in obtaining some of the over-seas supplies, so far the trade has not been seriously hampered by the war.

W. H. Adsett.

Trenton, N. J.—The action of the First Judicial District Court of Morris has been affirmed by the Supreme Court in giving judgment to Patrick Connelly against Thuro Wollen. The litigation involved the lease of six greenhouses and a dwelling house in Madison. It was contended by Connelly that Wollen was in arrears for rent, and the former sued to recover.

CULTURE OF HARDY SHRUBS

Massachusetts Horticultural Society Lecture by Arthur E. Thatcher.

When and How to Plant

There has always been and probably always will be a difference of opinion as to whether the fall or spring is the better time for planting. If the work has to be done in the fall on account of the rush of work in the spring it is advisable to plant as early as possible when the ground is in a moist condition, directly the leaves commence to fall. For my own part I am strongly in favor of preparing the ground in the fall, letting it lie rough through the winter and planting in the spring. If the work is well done and the requisite amount of attention is given the shrubs afterwards there is small chance of failure. It is very true that we often have a short, dry planting season in the spring, but much disappointment is frequently caused by shrubs which if planted in the fall fail to become sufficiently established to withstand the severity of our Eastern winters.

With the ground in readiness and the material at hand the next operation, that of planting shrubs, is perhaps the most important part of their culture. So much depends upon how this is accomplished as to after success or otherwise that too much care cannot be taken to have it well done. From whatever source the shrubs are obtained they should be carefully unpacked on arrival and the roots thoroughly moistened and if they cannot be planted for some time, they should be laid in a sheltered place away from the wind. It is a good plan to place a stake with the name where each shrub is to go; this will expedite matters when the planting is being carried out. The best time for planting is when the ground is in a moderately moist condition, as the soil can then be made firm without becoming pasty, and if possible choose a calm day, as wind has a most detrimental effect upon the roots. A hole should be taken out of sufficient size to accommodate all the roots after they have been spread out evenly, so that it will not be necessary to bend any round or cramp them, and having seen that the hole is of sufficient depth, the planting can then proceed. Cut off any broken or damaged roots on the under side with a sharp knife and take great care of the small fibrous ones, as on these the life of the shrub depends very largely, and see that they are quite moist. Then place the roots in the prepared hole and spread out all of them evenly, working in among them some of the finest soil, pressing it firmly and adding more until the hole is filled. While the roots should be well covered, it is not advisable to plant too deeply, especially on heavy land, and the nearer the fibrous roots are to the surface the greater warmth do they receive and consequently start into active growth more quickly than if buried some distance from the surface. When the planting is completed it is an excellent plan to give the shrubs a good mulching of any suitable material at hand

such as decayed leaves or long dressing. This is of the greatest assistance if warm weather prevails, for it keeps the roots moist and cool and prevents surface soil from becoming baked.

Not Too Much Watering.

Many people are under the impression that newly planted shrubs should be copiously watered at the roots, but I consider this unnecessary and oftentimes detrimental. If a good watering is given immediately after they are planted, which will settle the soil about the roots, and a mulching is applied, very little water will be needed for some time by the roots but it is an excellent practice to spray them overhead frequently. This keeps the wood moist and greatly assists the buds to develop. If shrubs of standard form are planted they will need some support until they become well rooted and for this purpose nothing is better than a straight stake, sharply pointed and driven firmly into the ground as near the stem as possible without injury to the roots. The shrub can be secured to it by wrapping a neat piece of cloth or rubber around the stem and tying to the stake firmly with string, but care should be taken that no injury is done to the shrub as the bark expands with growth. Many beautiful American shrubs are notoriously fond of peat and if the conditions are not naturally favorable for their cultivation, liberal additions of this material should be incorporated when preparing the ground, if it can be obtained. Peat, however, is not always available, neither is it absolutely necessary, for many peat-loving subjects will succeed admirably in a mixture of fibrous loam, decayed leaf mould and sand.

Pruning Too Little Understood.

The pruning of hardy shrubs is one of the most important matters connected with them but at present it is very imperfectly understood and we see far too often the lamentable results accruing from a lack of knowledge of their individual requirements. All that is generally considered necessary is for an incompetent workman to give the shrubs an annual trimming with a pair of shears, with the result that when the work is finished the shrubs all have about the same rounded, stiff appearance, much of the old growth which should have been removed is left and forms a mass of useless growth and the young wood, which should be carefully preserved for future blossom, is cut away. It is not possible to lay down any hard and fast rule, as shrubs differ so much in their individual requirements, but it is better not to prune at all than to prune indiscriminately. The large majority of flowering shrubs produce their blossoms during the spring and summer months and some of these, such as the Philadelphus, Deutzias and Forsythias, which produce their flowers on wood of the previous season's growth, are improved by having some of the flowering stems cut clear out as soon as the blossoms have fallen. This will help to strengthen the new growths sent out from the base and give them a better opportunity of becoming well

ripened before winter sets in. The majority of hardy shrubs, however, require very little pruning beyond occasionally removing the old growth so as to keep them shapely and open to enable them to receive the full benefit of the sun and air. It is only by intelligent study and actual practice that one can become conversant with the requirements of different shrubs.

A Very Common Mistake.

As I have previously mentioned, it is quite unnecessary when planting ornamental shrubbery to use only those shrubs which are of bushy form, and by the inclusion of some of pyramidal growth for example and the proper use of standards one can produce a very much more attractive arrangement. A very common mistake, which should be carefully guarded against, is to plant all the larger shrubs at the back and graduate the others down to the front. By bringing some of the larger shrubs to the front and placing a well-grown standard on the edge of the shrubbery, where it stands clear above its neighbors, one will be able to give the appearance of much greater depth, which is important where space is limited. It will, of course, be necessary when the shrubbery is first made to plant more shrubs than those which can permanently remain.

LANDSCAPE WORK AT THE PANAMA FAIR.

(By John M'Laren, Chief of the Department of Landscape Gardening.)

The good results achieved in the landscape gardening at the Exposition are due to three things. First, the climate and nature of the soil of California, in which State plant life thrives better than it does in any other State; second, the generosity and patriotic spirit of the people; third, the expert knowledge and skilled gardening of the landscape department.

The credit for planting the gardens and bringing the plants to their present splendid growth belongs not to me but to my assistants. They put their souls into the work; they gave their days and nights up to it; they watched every tree and shrub with solicitous care, and they have their reward in seeing the exquisitely beautiful gardens which they created and which cannot be surpassed anywhere on earth.

Nature has endowed California with practically every climate in the world. Therefore there are very few plants that cannot be grown within the State's borders. To this may be attributed the fact that the Exposition presents, growing in the open, such a wide variety of plant life, embracing plants native to the tropics alongside of plants native to the temperate and cold zones.

The generosity of the people of the whole State has been boundless. We have asked for much and have invariably been told to come and take what we wanted. Private gardens have yielded practically every plant in the open air at the Exposition, and they were given to us ungrudgingly and without price.—*Boston American*

HARDY HERBACEOUS PLANTS.

W. A. Manda, of South Orange, N. J., delivered a very instructive lecture on the above topic before a large audience at Horticultural Hall, Boston, on Saturday, March 13. We shall have room for only a portion of the lecture which was well worthy of a complete presentation as were also the replies by Mr. Manda to the numerous questions propounded by interested people in the audience at the close of the lecture proper.

"Under the heading of 'Hardy Herbaceous or Perennials Plants' we can group such plants as are strictly herbaceous—that is, after they have made their growth, flowered and seeded, they die down to the ground, where they rest perfectly dormant, until awakened again in the early spring, when they put forth new growth, with double vigor, after having had such a long and complete rest. Good examples of the herbaceous group are the peony, phlox, and plants of that description.

There are, however, a great many plants which are not strictly herbaceous, but which the term "perennial" will cover well, although both of these designations ramify in different directions.

As examples of perennial plants which are not herbaceous, we can site such plants as the old-fashioned Scotch pinks, dianthus plumarius, the sea pink or armeria maritima, and a vast number of other plants which keep their green foliage and growth summer and winter, and when the early spring time comes, they simply continue their growth, and put forth their flowering stems.

However, in my short address, I do not want to stick strictly to the plants which would answer either or both of these technical definitions, but to include all such plants as can be grown for similar purposes, and such plants as are generally termed the old-fashioned hardy garden plants which were cultivated in our grandmothers' gardens, and which include even bulbs and some semi-shrubby plants which can be used for the adornment of the garden. With plants of this kind, we can ornament every nook and corner of every place, whether small or extensive, and it is only a matter of selecting the proper kinds for the purposes for which they are wanted.

These plants come from various parts of the temperate zone of our globe, and even this country has been blessed with a wealth of such vegetation, so that we need not go outside of our native plants in order to ornament our homes, whether on large or modest scale.

Of course of late years the hybridizer has added numerous new forms and varieties, by carefully hybridizing and patiently raising and selecting the best off-springs, so that there are individual plants now which have been developed into hundreds and even thousands of varieties. These are generally termed as "Florists' Garden Plants." Under this heading could be classed such plants as the hybrid Pyrethrums,

A FIELD OF DAHLIAS IN BLOOM.

Dahlias are an important crop in eastern Massachusetts. The accompanying picture of a field of cactus dahlias at the Dahlia Gardens of J. K. Alexander, East Bridgewater, gives some idea of how the dahlia takes to the climate and soil of this section. Mr. Alexander has issued a folder with

full instructions on dahlia culture covering the subject very thoroughly in every detail. While intended primarily for amateur instruction yet it is written by a specialist and contains much of practical value even to the commercial grower and anyone wishing a copy can have it for the asking.

Hollyhocks, Larkspurs, Phloxes, Gailardias, German Iris, Japan Iris, Primroses, and other plants which are being developed and improved by cultivation.

There is one plant which, to my mind, has not been improved by the hybridizer, and that is the columbine, or aquilegia. It is my opinion and that of the majority of hardy plant growers that there is nothing as pretty as the pure species. The garden-grown seed, where several varieties are grown in a limited area, is hard to get pure, as they are so easily hybridized and cross-fertilized by the agency of insects, so where in the collection a species wants to be perpetuated it is always safer to have them covered with fine muslin, to keep insects away.

As to the purposes for which these plants are being used, we can divide them as follows: Plants used for borders, rock or Alpine plants, water and bog plants, and plants used for massing amongst or in front of shrubbery or for wild garden purposes."

(To be continued)

EASTER AT COLLEGE POINT.

A. Schultheis has this year the most tempting display of Easter plants we have ever seen there, on our annual visit. This is particularly true of the roses, of which there are several large houses full. The so-called Baby Ramblers have to some extent usurped the place in the popular favor formerly enjoyed by the large growing Ramblers, partly because of their more convenient size and correspondingly lower price, and the majority of the varieties seen this year are of that class. Ellen Poulssen is a gem, with flowers of the Baby Tausendschoen type but not equal to the latter in perfume. Erna Teschendorff is an improvement on the original Baby Rambler, color much

more vivid and the flowers strikingly regular in form. Others are Baby Van Nes, Peach Blossom, Marie, Frau Ada Rehfeldt and Baby Abel Chatenay which in their great variety make a sparkling show all together. These are seen not only in small bush form but in a variety of basket shapes, half-standards, etc.

The azaleas are glorious as ever but their attractiveness is greatly augmented by the addition in recent years of a number of soft salmon pink varieties of much beauty, such as Blushing Bride, Daybreak, Elso Roelker and Lady Roosevelt.

The ericas, for which this place is known far and wide are superb this year and a number of new ones of the tubular flowered class are deservedly admired. These include President Faure, King Edward VII. and several others. The best Easter seller is the lovely E. cupressina, with its peculiarly soft green foliage and myriads of pink bells. Other favorites are cylindrica, ventricosa, persoluta alba, codonodes Veitchii, etc.

The French hydrangeas, which we described quite fully last year are rapidly fulfilling our prediction that they were destined to supersede the old Otaksa for spring forcing. They are more easily handled and more reliable and prolific bloomers, the blue and pink varieties having the largest sale. Lilacs, rhododendrons, genistas and hybrid roses all contribute to the brilliant display now to be seen and the air is laden with fragrance.

A SIGN OF SPRING.

Our advertising columns this week announce the opening of the plant auction season in New York with a desirable lot of seasonable planting material, by William J. Elliott. Mr. Elliott promises that the stock will be of the usual high quality which, in past seasons, has brought the critical buyers to this pioneer house.

TWO GREAT SPRING EXHIBITIONS

THE BOSTON SHOW.

We have been privileged to visit exhibitions in Boston continuously for nearly half a century and have seen some superb shows in the halls of the Massachusetts Horticultural Society during that period, but never any to compare in size and splendor with the one that opened in Horticultural Hall this Thursday, March 18th afternoon. The Massachusetts Horticultural Society has in its recognition and welcome to the visiting American Rose Society simply overwhelmed itself. Every available foot of space is occupied to the limit in the three halls and even the vestibule is crowded with exhibits and there are truck-loads of plants for which no room can be made. In whatever direction one looks, is a veritable blaze of floral exuberance. As we go to press only a few awards have been made and consequently the names of exhibitors in most of the competitive classes are not obtainable for this report, which can be but superficial at best and our readers must wait till next week for details. The largest display is by R. & J. Farquhar & Co., who have transformed the farther end of the large exhibition hall into a beautiful garden with fountain and basin in the centre of a bed of *spirea rubens*, lily of the valley and white wisterias. In the background a wind-mill lighted and in motion forms the centre of an expansive landscape and the whole is massed with forced prunuses, and cherries, *Kæmpferi* and *mollis* azaleas, lilacs, standard wisterias and magnolias, *malacoides* and *obconica* primroses, etc., arranged in perfect taste.

The orchid groups are exceptionally good. A. W. Preston, gard. J. L. Smith, is represented by a very extensive display as are also F. J. Dolansky, Mrs. C. G. Weld, gard. W. C. Rust, T. T. Watt and Weld Gardens, gard. D. Finlayson. A splendid arrangement of orchids on moss-draped branches by J. T. Butterworth attracts particular attention. Cattleyas and the various spring flowering dendrobiums form the main part of the orchid groups.

The two great features of the lecture hall are first, the display of roses, *Ramblers* and *H. T.'s*, by M. H. Walsh, which is the most varied, extensive and beautiful Mr. Walsh has ever made, so far as our memory serves; second, Thomas Roland's wonderful group of acacias, ericas, etc., not for competition, and the group of trained roses occupying the entire stage, by the same exhibitor. Another group of acacias in unusual variety and symmetry is shown by Mrs. Fred Ayer, gard. George Page.

The cyclamen classes occupy a goodly section of the large hall floor and are the equal of any that have ever been seen here.

The entire space around the walls of both halls is banked high with resplendent masses of flowering plants, bulbous stock, palms, etc., in endless variety, but the names of the many exhibitors are not disclosed at this writing. Among the novelties are two

lovely pure pink hybrid azaleas, raised from A. *Kæmpferi* and A. *amoena*, by Jackson Dawson; winter-flowering antirrhinums in many colors from H. Huebner; climbing Pink Killarney rose from Peirce Bros., and there are many unusual things such as Cherokee roses, new camellias, etc., from many contributors.

The carnation men are out in full force and their displays are fully up to the record as to quality and quantity and they beat the record by far in their beautiful baskets and hampers arranged for effect and for education of the public in the use of the carnation—something that Horticulture has been for years recommending and pleading for.

The tables decorated for dinner, of which there are many, are much better than in the past. Only two prizes are offered and Ed. MacMulkin is winner of 1st, with a simple centre piece and corsages of *Dendrobium nobile*, lily of the valley and adiantum. Second goes to Mrs. Duncan Finlayson for a dainty arrangement of pink sweet peas and adiantum, with corsage bouquets of *Coelogyne cristata alba*. The retail florists have contributed still further to the interest of the show by contributions of many baskets elegant in design and tastily filled with flowers in unique combinations. There are a few vases of fine roses but the cut rose exhibits of the American Rose Society are not to be staged until Friday, the 19th, and consequently our account of same must wait until next week.

The foyer is filled to overflowing with rich exhibits of sweet peas and pansies from Wm. Sim and brilliant groups of bulbous and other showy material in pans, including a collection of many hundreds of new Darwin tulips from Mrs. L. A. Breck. There are some very complete exhibits of fruit and forced vegetables in the loggia.

Plentifully scattered throughout the large hall are canary birds in wicker cages suspended from upright flower and ribbon-decked stands, their music mingling sweetly with that of the orchestra. The scene is one not to be forgotten.

The exhibition closes on Sunday night, March 21.

NEW YORK SPRING FLOWER SHOW.

There are two things that stand out preeminently in the show now going on in New York—the remarkable advance in the artistic arrangement of the trade exhibitors and the dominance of the private gardeners. Competition is very keen in all the leading classes particularly the "specials."

The chief trade contributors are Julius Roehrs Co., Bobbink & Atkins, A. N. Pierson, Inc., F. R. Pierson Co., W. H. Siebrecht and Lager & Hurrell among the growers and Max Sehling and G. E. M. Stumpp among the retailers. Among the private gardeners, the "old guard" includes W. H. Duckham, J. Canning, P. W. Popp, J. H. Dodds, James Stuart, William Cordes,

D. Gordon, E. Fardell, R. M. Johnstone, P. J. Bacheler, J. Everitt, H. Gaut, D. S. Miller and A. J. Loveless. The Rose Garden competition is a prime feature, and the public swarmed around the two entries.

This show sets a new standard. The stereotyped style of display has gone, and in its stead a new scheme, kaleidoscopic in color effect, is beautifully alluring. The cultural quality of the plants is of an unusually high order. And the public comes with its support. On the opening day, the attendance exceeded by a long way that of the corresponding day last year.

The Department of Parks, by its superintendent, J. H. Beatty, is represented by a large display of flowering and foliage plants, including azaleas *indica*, *amoena*, and *mollis*; cinerarias, genistas, amaryllis, camellias, Japanese cherries, narcissi, tulips, hyacinths, palms, pandanus, ferns, euphorbias and *Jasminum primulinum*.

This exhibit is intended to call the attention of the public to the effort the department is making along horticultural lines in the Department Conservatory in Central Park, in the neighborhood of 106th street and Fifth avenue. It was only decided upon at a late date.

It is too early when this is written to give awards, for the judges' task on the opening day lasted late. In a word, artistically and horticulturally, New York has arrived. Next week we shall tell all about it in detail.

MANHATTAN'S TRIUMPH.

This is not a report of the Flower Show. I came over to Manhattan on other business. But when I got here from Philadelphia, I found so much local enthusiasm about the Flower Show that I had to side-track my own important affairs and go up and take a look. I'm glad I did.

The New York boys—bless their hearts—have done great things in recent years; but this last is really a crowning glory.

For generations New York was a by-word for civic spirit in horticulture—she was not there. Boston, Philadelphia—even crude Chicago—away ahead of her!

But today's show puts her where she belongs, and that's why I say—"Hats off to Manhattan." All men know what a snorting unbeliever I have been for the past thirty-two years about New York's trying to make us think she was a leader. I have always looked on her as a village kid! Glory be, that I have lived long enough to see this splendid transformation. From now on, we will be justified in looking on the metropolis of our country as a leader and not a tail-end in horticulture.

This is the way the show sized itself up to me—as compared with anything in the past:—

1. More material;
2. Better material;
3. Better arranged.

The details about it all will come

out next week and this preliminary glimpse is only to whet your appetite and put you in tune to listen to the story.

Those rose gardens certainly were great. Frank R. Pierson's inspiration about planting below the boardwalk is the best ever. You have to see that to appreciate it. The orchid displays were the best I have ever seen. Among the many, that picture frame from Roehrs stood out impressively and was worth millions. I never realized what could be done with *Schizanthus* until Bell showed us. It is wonderful. I never realized what could be done with *Amaryllis* until Duckham showed us. Wonderful. And the primulas—the malacoides and alba; the obconica grandiflora (all shades); such splendid specimens—almost beyond belief.

I could talk to you all night but the P. O. and the press presses. I "blew in" by accident and am glad I did.

Hats off to Manhattan!

GEORGE COOPER WATSON.

VISITORS' REGISTER.

New Bedford, Mass.: Peter Derr Hartog, Holland.

Pittsburgh—Milton Alexander, New York; Julius Dillhoff, New York; William Lake, Philadelphia.

San Francisco, Cal.—W. H. Wyman, North Abington, Mass.; W. B. Shotwell, Fargo, N. D.; P. L. Carbone, Boston.

Chicago: M. P. Quinn, Fontana, Wis.; E. H. Mazey, Minneapolis, Minn.; J. H. Reeves, Savannah, Ga.; H. E. Philpott, Winnepeg, Man.

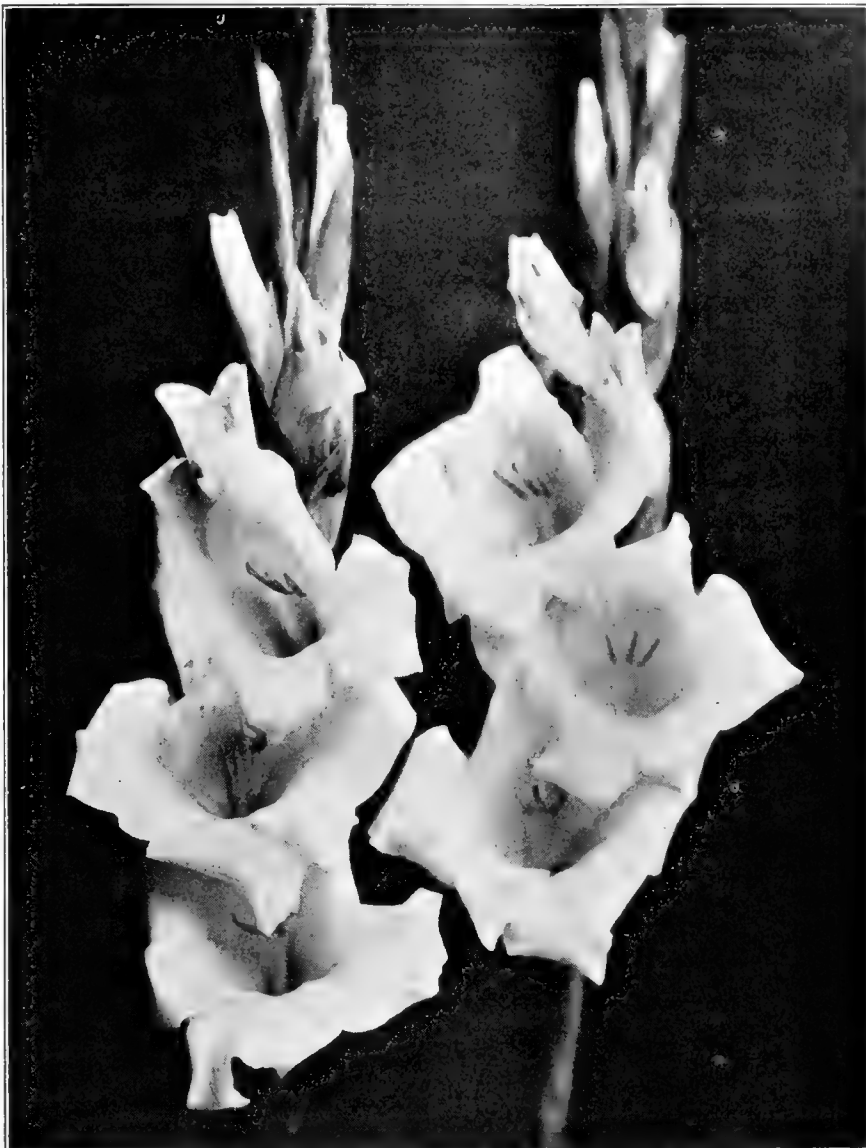
Cincinnati—E. J. Fancourt, of S. S. Pennock-Meehan Co., Phila.; S. Seligman and Julius Dilloff, New York; A. C. Zvolanek, Lompoc, Cal.

St. Louis, Mo.: Jos. E. Rolker, New York; Guy Reyburn, Chicago; John Van Aart, Paducah, Ky.; Julius Dillhoff, New York; M. Levine, New York; A. C. Zvolanek, Lompoc, Cal.

Philadelphia—Chas. Loechner, N. Y. City; Frank Carey Elwes, Jacksonville, Fla.; Chas. Fisher, Atlantic City, N. J.; Mrs. Kuratie, Wilmington, Del.; H. C. Obergfell, Atlantic City, N. J.; Henry Fisher, Baltimore, Md.; J. Ran, representing C. J. Speelman & Sons, Sassenheim, Holland.

Boston: C. H. Perkins, Newark, N. Y.; James McHutchison and Mrs. McHutchison, New York; C. W. Scott and S. Suzuki of Yokohama Nursery Co., New York; W. C. McCollom, representing Pierson U-Bar Co., New York; E. Doubleday and Leonard Barron, Garden City, N. Y.; W. A. Manda, South Orange, N. Y.; H. H. Barrows, Whitman, Mass.; D. Carmichael, representing J. Chas. McCullough, Cincinnati, O.; Dr. C. L. Marlatt, Federal Horticultural Board, Washington, D. C.; Donald McLeod, Concord, N. H.; Benj. Hammond, Beacon, N. Y.; M. H. Walsh, Wood's Hole, Mass.

A PURE WHITE GLADIOLUS.



This illustration shows what unquestionably will be one of the leading commercial gladioli. There are white gladioli in plenty but this one is absolutely pure white, without mark or

flush in the throat. It is one of Kunderd's future introductions as soon as the stock is sufficient. The picture does not show it fully out as it is one of the bloomers with half a dozen or more flowers open at once.

LIFTERS AND LEANERS.

There are two kinds of people on earth today:
Just two kinds of people, no more I say;
Not the rich and the poor, for to count a man's wealth
You must first know the state of his conscience and health;
Not the humble and proud, for in life's little span
Who puts on vain airs is not counted a man.
Not the happy and sad, for the swift flying years
Bring each man his laughter and each man his tears.
No! the two kinds of people on earth I mean
Are the people who lift, and the people who lean.
Wherever you go you will find the world's masses
Are always divided in just the two classes.
And, oddly enough, you will find, too, I ween,
There's only one lifter to twenty who lean.
In which class are you? Are you easing the load
Of overtaxed lifters who toil down the road?
Or are you the leaner, who lets others bear
Your portion of labor, and worry and care?
—Ella Wheeler Wilcox.

BLACK SPOT ON ROSE3.

Horticulture Pub. Co.:

In the latest issue of your paper there was an article recommending the ammoniacal copper carbonate mixture for black spot on roses. Will you kindly publish the formula for this mixture. Also do you consider paris green the best remedy for thrips, and how much would you put to 50 gallons of water? Yours truly,
Texas. A. M.

Take copper carbonate 5 ounces, ammonia 3 pints, water 45 gallons. Make a paste of the copper carbonate with a little water; dilute the ammonia with 7 or 8 quarts of water, add the copper carbonate to the ammonia and water, and stir until thoroughly dissolved. It is hardly advisable to use paris green in the rose house to combat thrips. Tobacco smoke used lightly and persistently is preferable. The medium formula for paris green mixture is one-third pound paris green, two-thirds pound fresh lime to 50 gallons water.

CLUBS AND SOCIETIES

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

This club had a good meeting on Tuesday evening, March 16. It was well attended and interesting and breezy throughout. Committee reports were all acceptable and plans outlined for the future included a proposed picnic to be held in midsummer. President Bartsch gave a glowing account of his recent visit to Chicago as a member of the S. A. F. Executive Board. L. J. Reuter, who had been slated to talk on roses was unable to attend and Eber Holmes graciously stepped into the breach and gave a nice practical talk on the rose question in its various phases. He recommended rose culture as promising an excellent future for any earnest young man who will take it up seriously as a life work. The question of the effect of sawdust and shavings mixed in manure brought out quite a number of opinions for and against its use, the character of the soil and the kind of wood in the shavings being generally accepted as having an important bearing on this question.

Mr. Holmes mentioned as good H. T. roses for out-door garden culture in this latitude, the Killarneys, Testout, Mock, Russell, Radiance, Hadley, Richmond, Teplitz, MacArthur, Robin Hood, Sunburst, Margaret Dickson, Druschka, Kaiserin and others.

The judges awarded a cultural certificate to Chas. Cooper, gardener for Miss Amy Lowell for a large specimen of *Clivia miniata* with twelve enormous trusses of bloom, a report of cultural merit to James Wheeler for yellow daisies *Etoile d'Or*, and a vote of thanks to W. W. Edgar Co., for French hydrangeas *Mme. Moulliere* and *Souv. de Chautard*.

CONNECTICUT HORTICULTURAL SOCIETY.

The March meeting of this society was held in the County Building, Hartford, on the evening of March 12th. It was voted to hold a show on Thursday, June 10th, the proceeds above expenses to go to the Red Cross Society. As announced, this was "Carnation" night, and William A. Dawson, of Willimantic, exhibited his new seedling carnation "Red Wing," registered under No. 565 by the American Carnation Society. Alfred Cebelius exhibited excellent roses and carnations. A. N. Pierson, Inc., displayed a vase of *Arawana*, a very dark red carnation. President Mason had on exhibition a vase of *Spirea Philadelphia*, also carnations.

First class certificates were awarded to William A. Dawson and A. N. Pierson, Inc.; cultural certificate to Alfred Cebelius; honorable mention to Warren S. Mason.

At the next meeting there will be a demonstration of the art of pruning fruit trees by G. H. Hollister, C. H. Sierman, and John F. Huss, W. W. Hunt to furnish the stock. This will also be rose night, and we expect to have our lady members with us.

ALFRED DIXON, Sec'y.

Wethersfield, Conn.

ST. LOUIS FLORIST CLUB.

The St. Louis Florist Club held its monthly meeting, March 11, 50 members present. Vice-President W. S. Wells presided. A letter from the County Flower Growers' Association said that they at their last meeting voted to assist the Florist Club in entertaining the American Carnation Society when it meets here next January. The chair then appointed Messrs. Windler, Guy and Grossart to act as judges for the exhibition staged at the Windler salesrooms. W. W. Ohlweiler, superintendent of the Missouri Botanical Garden, read an interesting paper on "Propagation of Soil for Florists' Use." A discussion was started on the question "Can Carnations Be Grown at a Profit at Two Cents, for the Season?" Ended with a decision that they could not. The exhibits were as follows:

W. J. Pfeifer, roses *Killarney*, *White Killarney*, *Killarney Brilliant*, *Hadley*, *Milady* and *Ward*, also *Mazzara* violets. W. A. Rowe, fancy jonquills and carnations. Al. Kropp, J. A. Kropp, Anton Bros., Chas. Meier and A. H. Abner, carnations. Hugo Gross, sweet peas, *Pink* and *Lavender Freesia* and a new blue butterfly sweet pea. Thos. Kirkwood & Sons and O. C. May, sweet peas. Henry Meier, California violets. A. Kropp, snapdragons. John Stridel, new *Sunbeam* and other carnations. Joe Hauser, new *Kaiser* violets. Phil Goebel, sweet peas. Therman Nursery Co., new rose *Minnetonka*. G. W. Thost, carnations. A. Wiber, of Hillsboro, Ill., daisies. Shiller, of Toledo, Ohio, ferns. Ben Albers, primroses, etc. J. F. Ammann Co., Windler Floral Co., Alton Floral Co. and J. D. Thompson Carnation Co., carnations. Wentzel & Hecht, sweet peas and carnations. Windler Co., florists' supplies.

The crowd numbered nearly 75 and they were all well entertained by the members of the Windler Co., to whom a vociferous vote of thanks was extended.

HORTICULTURAL SOCIETY OF NEW YORK.

Attention is again called to the fall exhibition of this Society, which will be held at the American Museum of Natural History, November 4th to 7th. Schedules are now being prepared, and will soon be ready for distribution. That preparation may be made for the exhibition of bush plants, the premiums offered for these are given in the list below:

CHRYSANTHEMUMS PLANTS

Open to All.

SPECIMEN BUSHES

In not less than fourteen inch pots.

Class No.	1st	2nd
A-1—Yellow	\$70.00	\$35.00
A-2—White	50.00	35.00
A-3—Pink	50.00	35.00
A-4—Any other color	50.00	35.00
A-5—Anemone or Single, any color	30.00	15.00

Sweepstakes, for finest and best

Bush Plant Silver Cup

This is the Society's Cup valued at \$100.00

In not more than fourteen inch pots.

A-6—Yellow	\$25.00	\$15.00
A-7—White	25.00	15.00
A-8—Pink	25.00	15.00
A-9—Any other color	25.00	15.00

SPECIMEN STANDARDS.

Not less than four feet in diameter, in

not less than fourteen inch pots.

A-10—Any color	\$20.00	\$15.00
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SPECIMEN, ODD SHAPE.

A-11—Any color	\$20.00	\$15.00
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GEORGE V. NASH, Sec'y.

LANCASTER COUNTY FLORISTS' CLUB.

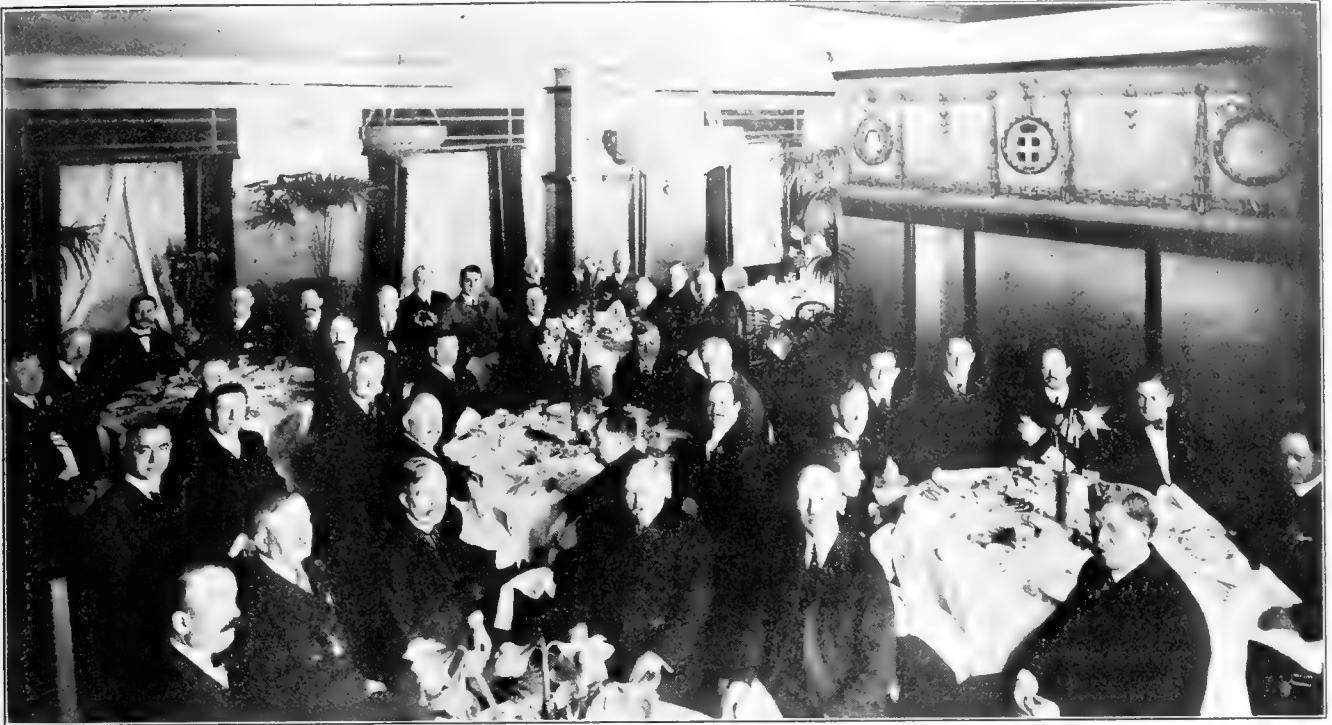
When we get over one-fourth of the members of a Florists' Club to get out at five o'clock in the morning, take a visiting trip covering over 250 miles and get home by 11.30 at night, we feel that we have a very live Club, and if it were not for the fact that a goodly number of our members do their own firing the number on this occasion would have been over one-half.

The first stop was at E. A. Stroud's, Strafford, Pa., and, being met by automobiles we were rushed to the greenhouses and shown through by W. E. Johnson who did the honors nobly. Carnations are always the first attraction and we were well pleased with the houses of *Matchless*, *Gloriosa*, *Philadelphia* and *Mrs. C. W. Ward*. The retail end of this establishment has grown to a two-truck delivery size and of course requires some room to grow the stock. Among the unusual things for variety, a batch of wall-flowers and some very choice camelias were especially noticeable. Multi-florum and giganteum lilies were in extra fine form and the number ran into many thousands.

The Florex Gardens was our next point and our first inspection was their large house, where one does not think in ordinary florists' figures but gets into those of high finance. When one is in their King house 172 feet wide, 700 feet long and 30 feet high, it does not take much of an imagination to complete the rest—seven miles of paths, sixty thousand panes of glass, fifty-six thousand feet of heating pipes 79,000 roses, 50,000 plumosus; bigness is characteristic of the whole place. H. B. Girvin a former Lancasterian has charge of the carnations and they are simply superb. *White Enchantress* and *Enchantress* proper are here on solid beds as good as they have ever been grown and it would do Peter Fisher's heart good to see these *Enchantress*, immense flowers, perfect in form, color and substance and scarcely a bursted calyx to be seen. They also have a pink variety of their own called *Ruth* and it is a wonder that some novelty introducer has not captured it as it certainly has all the ear marks of a profitable variety. They also have a flesh-colored pink that looked good but does not ship very well and will be discarded. Having carnations on benches and in solid beds they have decided after a number of years' trial that the solid beds are the most profitable. A small house of snapdragons upheld the reputation of the place by producing ten-foot stems.

After a dinner at North Wales we started on our way again bound for Hatboro. We were shown around the Weiss establishment by Harry Weiss who proved an enchanting host in spite of the fact that we came upon him unexpectedly. We were not disappointed at the quality of blooms grown here, and the extreme neatness of the place. This firm believes in trying a new one properly or not at

LUNCHEON TO THE EXECUTIVE BOARD OF S. A. F. AT THE LA SALLE, CHICAGO.



all and will plant over 5,000 Alice next season and they have made enough out of Georgious to plant 30,000 of this variety for next season. Our next stop was the Stevenson rose house 72 feet wide and 850 feet long of Lord & Burnham construction, their representative Dennis T. Connor having met us at the Weiss place. Not being rose growers, this house was more of an attraction as a house than the crop but we were shown how to pack flowers and it was a revelation to many of us.

We then hustled to Philadelphia and divided, some going to Neissen's, some to The Pennock-Meehan Co., to see how flowers were handled in the closing hours of a commission house. There was some food for thought here and this part of the trip was very interesting.

After a 6.30 dinner we all marched into the rooms of the Philadelphia Florists' Club and inspected the carnation blooms on exhibition, it being carnation night for the club. They were so busy showing us the hospitalities of the club that it was time for us to leave before the meeting opened. They evidently forgot they had a meeting on or are not as prompt as our Lancaster Club which opens on the minute designated on the notice, regardless of everything else, but we had a good time all the same and only wait an opportunity to reciprocate.

Our next trip comes the 13th of this month, leaving Lancaster 12.15 noon with Christiana as the first stopping point and as many stops on the way back to Lancaster as daylight will permit. Visitors are always welcome on these trips and are always allowed to pay their own way so that they do not have to feel under any obligations to any one. The meeting of the club is on the 18th, with Charles Grakelow as the speaker. ALBERT M. HERR.

AMERICAN SWEET PEA SOCIETY.

Supplement to schedule of exhibition, June 4th, 1915, at Palace of Horticulture, San Francisco.

Open to Gardeners and Amateurs.

Class 20—Prize donated by G. A. Dennison. Best display of sweet peas arranged on tabling 3 feet by 6 feet, \$25.00.

Class 21—Prizes donated by John Bodger & Sons Co. Twelve vases of 12 varieties Spencers, 1st prize—\$15.00, 2d, \$5.00.

Class 22 — To the winner of most points at the Exposition the Garden Magazine offer their handsome medal.

Open to All Florists.

Class 23 — Presented by President Lester L. Morse for the most original floral design in sweet peas—any size. Silver cup, value \$50.00.

Intending entrants for this class will notify the secretary ten days before the exhibition the space they will require for their exhibit.

Open to Seed Growers and Seedsmen.

Class 24—For the best trade display of Sweet Peas. Medals presented by the National Sweet Pea Society of Great Britain. 1st prize—gold medal, 2d—silver gilt medal, 3d—silver medal.

FRANK G. CUMBERSON.

Secretary for San Francisco Exhibition, American Sweet Pea Society, 719 Front St., San Francisco, Cal.

WESTCHESTER AND FAIRFIELD HORTICULTURAL SOCIETY.

There was a remarkably fine exhibition of flowers at the March meeting in competition for the Jas. Stuart prizes for the best exhibit at the meeting. The judges made awards as follows:

1st to A. Wynne for a very fine vase of Gerbera Jamesonii, 2nd to W. J. Sealey

for a specimen lilac, Marie Legraye. Honorable mention was given to A. Wynne for schizanthus, Wm. Whittin for Lillium Formosum, Wm. Graham for cyclamen, Robt. Allen for Dendrobium Wardianum, and Robt. Williamson for Chorizema splendens. Vote of thanks to Wm. Graham for carnations, Louis Whitman for Dendrobium nobile, Owen A. Hunwick for stocks, Robt. Williamson for Cineraria Sutton's Reading Gem, a very fine var. intermediate in form between C. hybrida and stellata, Louis Whitman for Crimson Rambler, J. B. McArdle for hyacinths, P. W. Popp for tulips.

A. L. Rickards, representing the Stumpp & Walter Co., was a visitor and offered a prize of \$10 for the best exhibit at the April meeting. The annual fall exhibition will be held in Stamford, Conn., opening on the second day of November. The speaker of the evening, Alex Cumming, Jr., read a paper on Rose Culture Outside and Under Glass. The next meeting will be held Friday evening, April 9th. P. W. POPP, Cor Sec'y.

CLUB AND SOCIETY NOTES.

The Newport Garden Club and the Newport Horticultural Society have decided upon Aug. 12, 13 and 14 as the dates for the mid-summer flower show to be held in Newport.

George Arnold addressed the members of the Rochester Florists' Association March 8 on the subject of Growing Seeds in this Country. He maintained that owing to the European war, a shortage of seeds is bound to develop and consequently cut flowers, also an increase in cost.

The regular monthly meeting of the New London (Conn.) Horticultural Society was held on the 11th inst. W. J. Schoonman of the New London County Nurseries spoke on Trees for Pleasure and Profit. Mr. Schier spoke on sprays for different insects. Professor Jenkins of New Haven will speak at

The contest closes on May 31 so that enrollments should be sent in promptly.

WHITE PINE

NEW ENGLAND BORN
AND GROWN
Hardy, Vigorous Stock

Special Sale

No. 1 QUALITY (Heavy)

Root-Pruned and TWICE-Transplanted
3 to 4 FEET HIGH

100 trees for **\$34** 12 trees for **\$7**
6 trees for **\$4**

The illustration shows our 2 to 3 foot grade
of Twice-Transplanted WHITE PINES →



WRITE TO-DAY

for New Illustrated Tree Catalogue. MANY MILLIONS OF TREES for Ornament and Shade, for Hedges, Windbreaks, and Forests.



"America's Most Beautiful Evergreen"

DR. L. H. BAILEY'S "Cyclopedia of American Horticulture" says: "For grace and elegance, nothing better than our five-needled silver-tined WHITE PINE could be imagined."

Special Sale

A LIGHTER GRADE

ONCE-Transplanted 2 to 3 FEET HIGH

1000 trees **\$85**
100 trees **\$10** | 12 trees **\$3**

Lower Prices for Other Grades and
Larger Quantities

It's a good plan to buy YOUR Little Trees
where Landscape Architects, Park Superintendents and Foresters buy THEIRS.

Little Tree Farms of America
(NEAR BOSTON)

AMERICAN FORESTRY COMPANY
Sept. 7. 15 Beacon Street, Boston, Mass.



A WARNING AGAINST TREE REPAIR FAKERS

Bulletin 113 of Mass. Forestry Association.

The Massachusetts Forestry Association has been trying to protect the forests and shade trees of the Commonwealth for the past sixteen years. Its fight generally has been against insects, ignorance and lack of interest, but today a new evil besets our trees in the form of the quack "tree surgeon," and to be true to the cause we are forced to oppose him also. Not only is he to be found in Massachusetts, but in nearly every section of the country where tree repair work is being done.

Usually this faker has worked for a few days or perhaps a few weeks in the crew of a company which does tree repair work. With little or no scientific knowledge of trees, he goes into business for himself and poses as an "expert."

A typical and favorite trick employed by these "experts" is to represent that they have some mysterious insecticide, known only to themselves, which will render trees immune from further attacks by insects. All that is necessary is to give the tree an injection or a thorough spraying with this fluid. Usually these "experts" profess to do anything in the forestry, landscape gardening, and tree repair lines.

The association has learned of so many cases where unsuspecting parties have been humbugged by fakers that it now proposes to bring this matter squarely before the public in such a way as to eliminate this fraud. These men obtain money directly under false pretense, and at the same time do the public an injury by mutilating the public and private shade trees. The work of some of these men has been reported to us and unless they cease operating in this state, their names will be made public, and the law will be used to punish them.

We would call attention to some points which, if followed, will help to protect your trees.

1. Do not permit anyone to do re-

pair work on your trees until he produces reliable recommendations. The honest man in the business can and will be glad to do this. Be sure to verify the references with the parties referred to in such recommendations.

2. When having gypsy and brown tail moth work done by private parties, do not pay the bill until you have an inspection of the work made by the local moth superintendent. This inspection will cost you nothing.

3. We advise against the use of climbing irons in tree repair work, especially on shade and ornamental trees, although it may cost more to have your work done without the use of such irons. It is a well-known fact that many rot-producing fungi can attack a tree only through some wound in the cambium layer. By the use of climbing irons, hundreds of little wounds are made in trees, which are ideal places for the fungi to begin their work. While these irons will damage any kind of tree, they are especially injurious to those having smooth bark. From the esthetic standpoint alone, a tree whose bark is scratched and pricked full of holes by the use of climbing irons is very unsightly.

4. Do not permit anyone to spray or tangle-foot your trees without knowing that the materials used meet the approval of the State Forester.

5. Have your trees inspected and necessary repairs made once a year by a competent party. Trees are analogous to teeth, in the matter of care. Go to a dentist once in five years and we are safe in saying that your bill will be greater than the total cost of yearly inspections would have been, and your teeth will be in worse condition. That principle applies to trees.

6. Find out what the approximate cost of repairing your trees will be before allowing the party to begin work.

7. Do not have your trees filled with cement, unless the cavities are too conspicuous and you do it for esthetic purposes, or unless the cavity is such that drainage is difficult to secure. There are some cases where filling is justifiable but there is entirely too much cement being put into our trees. On the whole it is generally better to spend the money which might be used for cement fillings, for frequent inspections, and for creosote,

BEFORE YOU PURCHASE

Send us your list of wants and we will quote you interesting prices.

We offer the most complete line of Fancy and Native Evergreens, Herbaceous Perennials, Shade Trees, Shrubs, Roses and Fruits in small lots or by the thousand, and in the usual "High Grade Quality." It is no trouble to quote you.

THE NEW ENGLAND NURSERIES CO.

Telephone Lexington 274-W.

BEDFORD, MASS.



ELLIOTT AUCTION CO.

42 Vesey Street, New York

Offer at their first sale March 23, 11 A. M. and every Tuesday and Friday hereafter choice consignments of **Holland Nursery Stock** along with domestic, consisting of Roses, Rhododendrons, Conifers, Vines, Roots, Perennials, Bulbs, etc.

W. J. ELLIOTT, Auctioneer

coal tar, paint and other preservatives.

Unfortunately the business of repairing trees is subject to many abuses. For instance, it is possible to fill a cavity with cement and make a perfectly good job on the exterior, while on the inside, the work may be slighted and the fungus which caused the decay be allowed to remain so that the decay goes on just as before. The cambium layer may even grow over the filling and the fungi still be eating away at the heart of the tree. The mycelium or rootlets of the fungus are so minute that they are invisible to the naked eye. With some forms of fungi, the wood is discolored before it is invaded, while with others the wood is affected without any perceptible change of color. For these reasons it is impossible to fill cavities with any assurance that the fungus is removed. After a cavity is once filled, inspection of the interior is impossible. We believe that it is cheaper and safer to leave the cavities open, except in the cases previously mentioned and to make frequent inspections, treating the wounds from time to time with preservatives.

Another thing besides quackery which is hurting the tree repair business and retarding the practice of conservation of trees, is the excessive charges made by some parties for such work. People get discouraged when they find that their bills are so exorbitant and hence prefer to let their trees go without attention. This is a mistake, but it is the result of the action of some parties in the business, who have aimed to make the bills as large as possible, often advising that work be done on trees that are not worth repairing.

On the other hand many people having such work done do not realize that climbing over trees is hazardous to workmen, hence it is difficult, and naturally expensive. There is no reason why the cost of such work should be prohibitive, however, because the expensive process of filling every cavity with cement can usually be avoided. In cases of bad decay safety must be considered, and possibly even a new and vigorous tree may be necessary rather than to incur the chance of other trees being destroyed or persons injured in the fall of the old one. Besides it may be cheaper to have an old tree removed and a good sized young tree put in its place, than to waste time and energy on a tree that is sure to die in a few years

under the best of care. Much money has been spent uselessly in this work by amateurs who were gaining experience at the expense of their clients and the trees. The vocation at best is in the early stages of development, which fact of itself should be sufficient to warn people against charlatanism.

Two things we wish to emphasize: First, secure an honest and efficient party to do your work; secondly, have him inspect your trees once a year, and make the necessary repairs.

We shall welcome any information which will lead to further discovery and prosecution of the fake "tree surgeon" in Massachusetts.

IMPORTATION OF EUROPEAN PINE PROHIBITED.

No European pine trees will be permitted to be imported into the United States after July 1, a quarantine order to this effect having been signed by the Secretary of Agriculture. This action has been taken to save American pine trees from the pine shoot moth which has long done much damage in European forests. This pest has al-

ready become established in nurseries and parks in some states but it is believed that by pruning and destroying the affected shoots the disease can be stamped out if no more infected nursery stock is imported into the country.

The moth feeds mostly on young trees between 6 and 15 years of age. It lays its eggs early in August singly on the new buds of the pine. The young larva soon hatches and eats its way into the bud where it spends the winter. As soon as the sap begins to rise in the trees it leaves its winter quarters and bores into the adjoining bud, destroying this and as many others as it needs for food. When the remaining buds begin to grow into young shoots, the larva attacks these as well, consuming the entire inside of the youngest and injuring the more developed ones so that they grow downward and outward instead of upward. It is impossible to reach the larva with any insecticide after it has once found its winter quarters, and the only effective way of combating the pest is to destroy the infested buds and twigs.

We Offer for Immediate Delivery

Good, Strong Well-Established Plants in 2 1/4-Inch Pots of the Exceedingly

VALUABLE NEW ROSES

Ophelia, Francis Scott Key and Prince E. C. d'Arenberg

OPIHELIA. No fancy rose ever introduced possesses so many excellent qualities. It is a splendid grower, a very free bloomer, and has fine stems. It sells on sight. Anticipating the large demand, we have propagated it extensively. **Strong plants on own roots, 2 1/4-in. pots, now ready—\$15.00 per 100, \$120.00 per 1000.**

FRANCIS SCOTT KEY. This variety, raised by Mr. John Cook, is very distinct, being entirely different from any of the indoor roses grown today. Flowers are rosy red, and are unusually large and double, resembling very much a very full, double hardy garden rose. Its keeping qualities are remarkable. **Strong plants on own roots, 2 1/4-in. pots, now ready—\$15.00 per 100, \$120.00 per 1000.**

PRINCE E. C. d'ARENBERG. This variety might well have been termed Red Killarney, as it possesses so many of the good qualities of the Killarney's. In color, the flowers are similar to Richmond, but they are much more double. Flowers have fine straight stems on all the grades—from the shortest to the longest. It has fine foliage, comes away quickly, and is even a freer bloomer than the Killarneys. **Strong plants on own roots, 2 1/4-in. pots, now ready—\$12.00 per 100, \$90.00 per 1000.**

We will be glad to quote on application, prices on all the newer and standard varieties—strong grafted plants ready in March.

F. R. PIERSON, Tarrytown, N. Y.

CRAIG SPECIALTIES FOR EASTER & SPRING, 1915

LILIES

With 4 to 10 flowers.....12 cents per bloom
Less than 4 flowers.....15 cents per bloom
Made up pans from 15 to 25 flowers.

Cut Lilies, medium.....12 cents per bloom

RHODODENDRONS

Prices, \$1.50, \$2, \$2.50, \$3, \$3.50 and \$4 each
Very large plants.....\$5, \$6, and \$7.50 each
Pink Pearl.....\$2, \$2.50 and \$3 each

HYDRANGEAS

Otaksa, 6-in., \$6, \$9, \$12, \$15, \$18 per doz.
" 7-in. and 8-in.,

\$2, \$2.50, \$3, \$3.50 and \$4 each

" Specimen.....\$5, \$6 and \$7.50 each
April delivery, 2 1/2-inch pots, Otaksa, strong
plants, \$8 per 100; \$75 per 1000.

THE NEW FRENCH HYDRANGEA

6-inch and 7-inch pots, from 3 to 15 flowers,
\$9, \$12, \$15, \$18, \$24, \$30, \$36, \$48 per doz.

HALF STANDARD BABY RAMBLERS
Orleans, President Taft, Phyllis, etc., ex-
ceptionally fine plants, 3-foot stems, \$1.25,
\$1.50 and \$2 each.

PHYLIS PINK BABY RAMBLER
5-inch and 6-inch pots, \$6 and \$9 per doz.

ORLEANS (New)

5-inch and 6-inch pots.....\$6 and \$9 per doz.
7-inch pots, very heavy, made up,
\$12 and \$15 per doz.

ERNA TESCHENDORFF

5 1/2-inch and 6-inch pots, \$6 and \$9 per doz.

ELLEN PAULSEN

5 1/2-inch and 6-inch pots, \$6 and \$9 per doz.
7-inch pots.....\$12 and \$15 per doz.

LADY GAY AND DOROTHY PERKINS
In grand condition, trained into fan, globular
and pyramidal shapes, \$1.25, \$1.50, \$2,
\$2.50, \$3, \$3.50 and \$4 each.

Ball shape, wire frame, \$2.50, \$3, \$4, \$5 each.
Baskets.....\$7.50 and \$10 each

TAUSENSCHÖEN—Thousand Beauties
Strong plants, 6-inch and 7-inch pots,

\$1, \$1.25 and \$1.50 each

Trained plants, fans, globular and pyra-
midal shapes, \$2, \$2.50, \$3, \$3.50, \$4, \$5,
\$6 and \$7.50 each

Baskets.....\$7.50 and \$10 each

HYBRID ROSES—MAGNA CHARTA
Magna Charta, very fine, 6 to 18 flowers,
\$9, \$12, \$15 and \$20 per doz.

DRUSCHKI AND SOLIEL D'OR
6-inch and 7-inch pots,

\$12, \$15, \$18, \$24 and \$30 per doz.

JUNIATA—NEW CLIMBING ROSE
Specimen plants, 6-inch and 7-inch pots,

\$12, \$15, \$18, \$24 and \$30 per doz.

Specimen plants,
\$3, \$3.50, \$4, \$5, \$6, \$7.50 and \$10 each

Baskets.....\$7.50 and \$10 each
Globes.....\$3.50, \$4, \$5, \$6 and \$7.50 each

EXCELSA—NEW CLIMBING ROSE
We offer splendid plants in 6-inch, 7-
inch and 8-inch pots at \$1.25, \$1.50,
\$2, \$2.50, \$3.50, \$4, \$5, \$6, \$7.50 and

\$10 each

Baskets of Excelsa at.....\$7.50 and \$10 each

SPIRAEA GLADSTONE
6-inch pots.....\$6 per doz.; \$45 per 100

7-inch pots.....\$9 per doz.

8-inch tubs, made up.....\$12 per doz.

10-inch and 11-inch tubs, very heavy,
made up.....\$18 and \$24 per doz.

SPIRAEA QUEEN ALEXANDRA
6-inch and 7-inch pots.....\$0.75 and \$1 each

GENISTAS
3-inch pots.....\$15 per 100

4-inch and 4 1/2-inch pots.....\$3 and \$4 per doz.

5 1/2-inch and 6-inch pots.....\$6 and \$9 per doz.

7-inch pots.....\$12 and \$15 per doz.

Large plants.....\$1.50, \$2, \$2.50 and \$3

MARGUERITES
6-inch pots.....\$4 and \$6 per doz.

AZALEAS
6-inch and 7-inch pots,

\$0.75, \$1, \$1.25, \$1.50 and \$2 each

Specimens at \$2.50, \$3, \$3.50, \$4, \$5,
\$6 and \$7.50 each

CROTONS
2 1/2-inch pots.....\$20 per 100; \$175 per 1000

4-inch pots.....\$30 per 100; \$275 per 1000

5-inch pots.....\$50, \$75 and \$100 per 100

6-inch pots.....\$12, \$15, \$18 and \$24 per doz.

7-inch pots.....\$24, \$30 and \$36 per doz.

8-inch pots, made up beautiful plants,
\$24, \$30 and \$36 per doz.

10-inch pots, made up.....\$5, \$6 and \$7.50 each

12-inch and 14-inch tubs, made up
beautiful plants.....\$10 and \$15 each

LILY OF THE VALLEY
5-inch pots.....\$7.50 per doz.

DRACAENA MASSANGANA
4-inch pots.....\$7.50 per doz.; \$50 per 100

6-inch pots.....\$15 and \$18 per doz.

8-inch pots.....\$24 and \$30 per doz.

11-inch tubs.....\$3.50, \$4, \$5 and \$6 each

DRACAENA LORD WOLSELEY

2-inch pots.....\$12 per 100

3-inch pots.....\$25 per 100

4-inch pots.....\$35 per 100

5-inch pots.....\$9 per doz.

6-inch pots.....\$12 per doz.

DRACAENA STRICTA GRANDIS

2 1/2-inch pots.....\$20 per 100

3-inch pots.....\$35 per 100

4-inch pots.....\$50 per 100

5-inch and 6-inch pots,
\$9, \$12, \$15, \$18 and \$24 per doz.

DRACAENA AMABILIS

2 1/2-inch pots.....\$20 per 100

3-inch pots.....\$35 per 100

4-inch pots.....\$50 per 100

5-inch pots.....\$9 and \$12 per doz.

6-inch pots.....\$15 and \$18 per doz.

DRACAENA CRAIGII

Small plants, 4-inch pots.....\$1 each

DRACAENA TERMINALIS

2 1/2-inch pots.....\$10 per 100

3-inch pots, strong plants.....\$25 per 100

4-inch pots, strong plants.....\$35 per 100

5-inch pots.....\$9 per doz.

6-inch pots.....\$12 per doz.

DRACAENA BAPTISTII

6-inch pots.....\$1, \$1.25 and \$1.50 each

2 1/2-inch pots.....\$20 per 100

DRACAENA SHEPHERDII

6-inch pots, heavy.....\$12 and \$15 per doz.

DRACAENA GLADSTONEI (Rare)

2 1/2-inch pots.....\$20 per 100

4-inch pots.....\$6 per doz.

5-inch pots.....\$9 per doz.

6-inch pots.....\$12, \$15 and \$18 per doz.

DRACAENA GODSEFFIANA

2 1/2-inch pots.....\$10 per 100

3-inch pots.....\$15 and \$20 per 100

4-inch pots.....\$25 per 100

DRACAENA INDIVISA

5-inch pots.....\$20 per 100

DRACAENA SANDERIANA

2 1/2-inch pots.....\$15 per 100

DRACAENA KELLERIANA

2 1/2-inch pots.....\$12 per 100

3-inch pots.....\$20 per 100

4-inch pots.....\$35 per 100

7-inch pots, made up.....\$18 and \$24 per doz.

DRACAENA FRAGRANS

4-inch pots.....\$35 per 100

6-inch pots.....\$6 and \$9 per doz.

8-inch tubs.....\$18 per doz.

10-inch tubs.....\$2 and \$2.50 each

Larger plants.....\$4, \$5 and \$6 each

DRACAENA GUILFOYLEI (Rare)

2 1/2-inch pots.....\$20 per 100

4-inch pots.....\$6 per doz.

5-inch pots.....\$9 per doz.

6-inch pots.....\$12 per doz.

DRACAENA TITWORTHII (Rare)

2 1/2-inch pots.....\$20 per 100

4-inch pots.....\$6 per doz.

5-inch pots.....\$9 per doz.

6-inch pots.....\$12, \$15 and \$18 per doz.

DRACAENA ANERLEYENSIS (Rare)

2 1/2-inch pots.....\$25 per 100

4-inch pots.....\$50 per 100

5-inch pots.....\$9 per doz.

6-inch pots.....\$12 per doz.

DRACAENA IMPERIALIS (Rare)

2 1/2-inch pots.....\$20 per 100

4-inch pots.....\$50 per 100

5-inch pots.....\$9 per doz.

6-inch pots.....\$12 per doz.

DRACAENA—MARGUERITE STORY

2 1/2-inch pots.....\$20 per 100

4-inch pots.....\$20 per 100

5-inch pots.....\$9 per doz.

6-inch pots.....\$12 per doz.

DRACAENA—KNERKII

2 1/2-inch pots.....\$20 per 100

4-inch pots.....\$20 per 100

5-inch pots.....\$9 per doz.

6-inch pots.....\$12 per doz.

DRACAENA SUPERBUS

2 1/2-inch pots.....\$20 per 100

4-inch pots.....\$20 per 100

5-inch pots.....\$9 per doz.

6-inch pots.....\$12 per doz.

PHOENIX ROEBELENI

10-inch and 12-inch tubs, specimen plants,
\$10, \$12.50, \$15 and \$20 each

FICUS PANDURATA

6-inch pots, 2 1/2 feet tall.....\$2 each

7-inch pots, 3 feet tall.....\$2.50 each

8-inch pots, 4 feet tall.....\$3 each

10- and 11-in. tubs, 5 feet tall, \$4 and \$5 each

Branch plants.....\$2.50, \$3, \$3.50 and \$4 each

PANDANUS VEITCHII

4-inch pots.....\$6 per doz.; \$45 per 100

5-inch pots.....\$9 per doz.

6-inch pots.....\$12 per doz.

7-inch pots.....\$18 and \$24 per doz.

8-inch pots.....\$24, \$30 and \$36 per doz.

PANDANUS UTILIS

4-inch pots, strong plants.....\$25 per 100

6-inch pots.....\$50 and \$75 per 100

FICUS UTILIS

6-inch pots, 24 inches tall.....\$2 each

Larger plants.....\$3, \$4 and \$5 each

FICUS CRAIGII

4-inch pots, 15 inches tall.....\$5 per 100

6-inch pots, 18 inches to 24 inches tall,
\$6 and \$9 per doz.

BERRIED AUCUBAS

5-inch, 10-inch and 11-inch tubs,
\$1.50, \$2, \$2.50 and \$3 each

VARIEGATED AUCUBAS

Fine plants for boxes.....\$35 per 100

7-inch and 8-inch pots,
75c., \$1, \$1.25 and \$1.50 each

GARDENIA VEITCHII

2 1/2-inch pots.....\$8 per 100; \$75 per 1,000

4-inch pots.....\$20 per 100; \$180 per 1,000

6-inch pots, in bud and flower, \$9 per doz.

6-inch pots, heavy, in bud, will flower
for Easter.....\$12, \$15 and \$18 per doz.

CYCAS REVOLUTA LEAVES

Leaves, 36 to 42 inches long.....\$3 per pair

Plants, in tubs.....\$20, \$25, \$35 and \$50 each

ABIES NORDMANNIANA

7-inch and 8-inch.....75c., \$1 and \$1.25 each

Large tubs.....\$2.50 each

NEPHROLEPIS SCHOLZELI

2 1/2-inch pots.....\$6 per 100; \$50 per 1,000

4-inch pots.....\$20 per 100; \$180 per 1,000

6-inch pots.....\$6 per doz.; \$45 per 100

8-inch, three-quarter pots,
\$12 per doz.; \$90 per 100

11-inch tubs.....\$24 and \$30 per doz.

NEPHROLEPIS ELEGANTISSIMA IM- PROVED

2 1/2-inch pots.....\$6 per 100; \$50 per 1,000

4-inch pots.....\$20 per 100; \$180 per 1,000

6-inch pots.....\$6 and \$9 per doz.

8-inch pots.....\$12 and \$15 per doz.

Larger plants.....\$2, \$2.50, \$3 and \$3.50 each

NEPHROLEPIS TOBEAGIDES

2 1/2-inch pots.....\$5 per 100; \$45 per 1,000

4-inch pots.....\$20 per 100; \$180 per 1,000

6-inch pots.....\$6 and \$9 per doz.

8-inch pots.....\$12 and \$15 per doz.

9- and 10-in. tubs, \$24, \$30 and \$36 per doz.

NEPHROLEPIS SMITHII

2 1/2-inch pots.....\$8 per 100; \$75 per 1,000

4-inch pots.....\$20 and \$25 per 100

6-inch pots.....\$6 per doz.

NEPHROLEPIS BOSTONIENSIS

2 1/2-inch pots.....\$6 per 100; \$50 per 1,000

4-inch pots.....\$20 per 100; \$180 per 1,000

6-inch pots.....\$6 per doz.; \$45 per 100

6-inch pots, heavy; \$9 per doz.; \$70 per 100

8-inch pots.....\$12 and \$15 per doz.

11-inch tubs.....\$2, \$2.50, \$3, \$4 and \$5 each

NEPHROLEPIS ROBUSTA (New)

2 1/2-inch pots.....\$8 per 100; \$75 per 1,000

4-inch pots.....\$20 per 100; \$180 per 1,000

When Buying LILY BULBS Buy the Best

ASK YOUR DEALER FOR

YOKOHAMA NURSERY CO. STOCK

If they don't have them write us. We are the largest growers and exporters of LILY BULBS in Japan, controlling one-third of the entire production

YOKOHAMA NURSERY CO., Ltd.

Woolworth Building, NEW YORK

YOKOHAMA, JAPAN

LONDON, ENGLAND

THE GLASS SITUATION FROM THE MANUFACTURER'S STANDPOINT.

Address of E. R. Johnston, President
Glass Manufacturers Association, 200 N. Dearborn
St., Chicago, Ill. 60610. Before
the National Association of Glass Distributors
at New York, N.Y.

It is apparent there is some business still existing in this country as is evidenced by the placing of orders for more than a million boxes of glass within the last ten days. When it is taken into consideration that all lines of business are stagnant it is remarkable that the buying movement of this magnitude could be awakened in such a short time. It only shows what we can expect in the way of real prosperity when the movement is fully under way. It is rather surprising that the jobbers complain about lack of profit on the business they are doing, regardless of the volume. It would seem that if business was quiet and the volume diminished that they should be the more alert to show a profit on such transactions as exist, but if their statements are to be taken as accurate, the various lines of glass that the distributors are handling show little or no profit. I have been a member of various organizations for the last 25 years. They were all worth forming and supporting and each in turn served some good purpose. The window glass people have been fairly well organized for the past three years and this is the first time that I can recall when the jobbers have not co-operated when the manufacturers were doing some consistent team work. I believe this is the first time that the jobbers have failed to unite their interests and work in harmony with the manufacturer and at the same time there have been more organizations and more time spent in holding meetings than any time I can recall. With National, Sectional and Local organizations it is most surprising that the jobbers do not obtain better results. I am not attempting to point out the reasons as they will know what their own troubles are, but I do know that one or more jobbers in every principal city are spending time and money carrying out plans that are offensive and harmful to the people that I represent and which in turn will be harmful to themselves. I don't believe it is too late to remedy this condition and I think the same force put into a co-operative movement would change the whole situation inside of thirty days and would make 1915 a most excellent year even if the volume should be below normal. In some sec-

tions it is the apparent purpose of the jobber to sell glass cheaper than the manufacturer, and where he has through one method or another made contracts below the prevailing prices, he has invariably given it away and worked this supposed advantage to his own financial loss and detriment. It certainly should be far more helpful to the distributor to get his normal profits of 20 per cent. on his smaller business than to jeopardize his entire sales by trying to scalp out an extra 2½ per cent. that his competitor does not enjoy.

Relative to the output of factories the trade seems to be somewhat interested in the quantity of small glass produced, and just having completed a canvass of the factories I can say the production of first three brackets single in the hand plants from the commencement of the blast does not exceed 35 per cent. and I am confident that during the remainder of the fire the percentage will be reduced still further. For years past it has been stated that 50 per cent. small single was the least that a well managed plant could handle, but several factories have been getting only 25 per cent. first three brackets single and one plant reduced the quantity during a four weeks' settlement to 18 per cent. With this curtailment of small glass with the hand factories and reported improvements in the character of the production in the machine factories, the question of small glass should not be the menace that it has heretofore.

On the question of exports, there has been some lull. No large amount of business has been placed from abroad during the past six weeks but during January inquiries have increased greatly and within the next sixty days I expect there will be some very substantial orders placed. One feature that has retarded buying of glass by foreign firms has been their inability to arrange for space on ocean steamers, and with an uncertainty as to the deliveries, they are not inclined to buy freely. The inquiries that are coming in are accompanied by specifications for hundreds of thousands of boxes and undoubtedly a great deal of this is going to be actual shipping business in a very short time.

To look ahead, I would venture the suggestion that with proper handling there should be excellent business in window glass both at home and abroad for the next two years at least. The

manufacturers are most desirous of contributing their full part toward handling these two years with profit to all concerned and they are most anxious to have the support and co-operation of the jobber. Many of them feel that they have had antagonism from quite a percentage and believe that the policy of trying to shade the market or find weak spots is not the broad way in which money can be made. The factories have been willing to regulate their output in accordance with the demand and are willing to adopt any other rational suggestion of the jobbers as to re-establishing and maintenance of a differential to the qualified buyers and feel that if there has been any shortcomings in the past it has been largely the fault of the distributor and they should welcome a change that would mean satisfactory balance sheets to their jobbing friends rather than to hear continued complaints of a year's hard work without advancement.

EDWIN LONSDALE IMPROVED.

We are much pleased, and know that many of our readers will also be pleased to learn that Edwin Lonsdale is improving in health and gaining



HOME OF EDWIN LONSDALE.

strength. He is able to sit up for a few hours, each day, at his home in Lompoc, Cal.

Cocoanut Fibre Soil WAR

Does not stop the use of Humus. All seedsmen keep it in stock. It is the last word in Fertilizing Humus. Send for Prices.

20th CENTURY PLANT FOOD CO.
27 & 28 OCEAN ST., BEVERLY, MASS.

ITINERARY TO SAN FRANCISCO SEED TRADE CONVENTION.

To Members of American Seed Trade Association.

Gentlemen:—

Herewith please find the schedules, fares and itinerary officially decided upon for the going trip to the Seed Trade Convention at San Francisco, Cal., June 22 to 24.

The president, Mr. Lester L. Morse, is hoping for a large attendance at this convention and urges the Transportation Committee to get this official schedule out early. This is done so that members and their friends will have plenty of time to arrange for the trip. The return journey may be made by each individual or group as he or they see fit, but it will be necessary to name the return route at the time of purchasing the tickets in order to get the reduced rates. The trip to the Grand Canyon you will note is \$7.50 additional, and if in returning it is desired to go by the way of Portland, Oregon, \$17.50 will be the extra fare.

The committee desires to hear from the members as soon as convenient and trusts that a large number will avail themselves of the Santa Fe special from Chicago as per itinerary.

Very truly yours,

THE TRANSPORTATION COMMITTEE.

S. F. Leonard, Chairman; E. L. Page, W. S. Woodruff, Frank Leckenby, Henry B. Fish.

Dear Sir:—

Referring to conversation today with our Mr. Moriarty regarding proposed trip of members of above Association from Chicago to San Francisco.

I am enclosing herewith an itinerary covering the trip with stops as suggested. For this special train we will provide following equipment which is a duplication of the Santa Fe-California Limited: Observation Pullman, compartment and drawing rooms, as well as open sleepers, diner on Santa Fe lines for the trip, Library Club car.

The railway fares are as follows, going via one direct line, or as per itinerary and returning any other direct line; the return via Portland will be \$17.50 additional. The side trip, Williams to the Grand Canyon and return, is \$7.50 additional.

Chicago to San Francisco and return, \$62.50
New York (standard lines)..... 98.80
New York (differential lines)..... 94.30
Boston (standard lines)..... 103.70
Boston (differential lines)..... 97.70
Philadelphia (standard lines)..... 95.20
Philadelphia (differential lines)..... 92.95

Trusting that you will give this your every consideration, I remain,

Yours truly,

GEO. T. GUNNIP,
Gen. Agt. A., T. & S. F. R. R.

American Seed Trade Association, San Francisco, June 22-24, 1915.

Special Train 125 Tickets.

June 12	Leave	Chicago	8:05 P. M.
June 13	Arrive	Kansas City	8:45 A. M.
June 13	Leave	Kansas City	9:00 A. M.
June 14	Arrive	Albuquerque	11:00 A. M.
June 14	Leave	Albuquerque	11:30 A. M.
June 15	Arrive	Grand Canyon	6:00 A. M.
June 15	Leave	Grand Canyon	7:30 P. M.
June 16	Arrive	Redlands, Cal.	1:00 P. M.
June 16	Leave	Redlands, Cal.	3:00 P. M.
June 16	Arrive	Riverside	4:00 P. M.
June 16	Leave	Riverside	11:00 P. M.
June 17	Arrive	San Diego	7:00 A. M.
June 17	Leave	San Diego	11:59 P. M.
June 18	Arrive	Los Angeles	7:00 A. M.
June 18	Leave	Los Angeles	11:30 P. M.
June 19	Arrive	Lompoc	8:00 A. M.
June 19	Leave	Lompoc	11:30 P. M.
June 19	Arrive	Oceano	1:00 P. M.
June 19	Leave	Oceano	10:00 P. M.
June 20	Arrive	San Francisco	8:00 P. M.

*Southern Pacific Railroad.

“Canned Cannas” Or Swas-Teeka Brand—Which?

“CANNED CANNAS” are boxed when dug. Swas-Teeka Brand Cannas are boxed when shipped.

The canned ones may have been good, solid clump when boxed. But what has happened between boxing time and your selling



them—who can tell?

Each root division of Swas-Teeka cannas is inspected before boxing for shipment. They leave us in the finest of condition. When you buy 500 roots from us, the full 500 are absolutely right.

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BASED on our last year's business and the way sales have been coming in this year, we find that this assortment of colors and kinds are strong leaders. It may be just the line up you want. Check it up. Send us your order. We have 107 varieties, 87 of which are Wintzer's own production.

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PINK: per 100
Mrs. A. F. Conard, 4-inch.....\$10.00
Hungaria, 3½-inch..... 5.00
Venus, creamy edge, 4 ft. 3.00
Wabash, bronze leaf, 4 ft. 10.00
M. Washington, 3 ft. 2.50

SPOTTED EDGED AND VARI-EGATED:

Panama (4, 10), 3 ft. 25.00
Gladiflora..... 5.00
Gladiator..... 5.00

ORANGE AND YELLOW:

California, orange, 4 ft. 3.00
Buttercup, yellow, 3 ft. 5.00
Juanita, bronze fol., 4 ft. 10.00
Kate F. Deemar, grand, 5 ft. 10.00
Wyoming, bronze, Y. orchid 2.00
Brilliant, 3½ ft., red throat 3.50

WHITE:

Blanche Wurtzer, 3½ ft. (9, 10)
Mt. Blanc, Imp., next best, \$3.00;
\$20.00 per 1000.

RED, GREEN FOLIAGE:

Philadelphia, dwarf, 3 ft. 2.00
Beacon, 4 ft. 4.00
Meteor, 5 ft. 20.00
Patrie, 4 ft. 2.00
Wintzer's Colossal, 6 ft. orchid 20.00
Fire Bird, 4 ft., 50c. ea., \$4.00 per ten.

RED ON BRONZE FOLIAGE:

Brandywine, 3½ ft. 2.50
Wm. Saunders, 4 ft. 5.00
King Humbert, 4 ft., orchid 3.00
Conowingo, 6 ft. 4.00

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HENDERSON'S INVINCIBLE ASTERS

A superior strain of Giant Peony Flowered Asters of great importance for florists' cutting purposes.

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A highly developed Comet type of florists' Asters. Our seed comes from the originator.

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Queen of the Market, valuable on account of their extreme earliness and for cutting; plants 12 inches high; medium-sized double flowers on long stems.

Colors: WHITE, ROSE-PINK, INDIGO BLUE, SCARLET.
Trade packet of 1000 seeds, 25c.; per oz., 75c.

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Colors: SNOW WHITE, ROSE-PINK, LAVENDER.
Trade packet of 1000 seeds, 60c.; per oz., \$3.00.

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PUBLICATIONS RECEIVED.

The Page Company, Boston, has just issued the fourth volume in the deservedly popular Hadley Hall Series, by Louise M. Breitenbach, author of the three preceding volumes. We take especial pleasure, at all times, in saying a word of commendation for fiction books of the class which the Page people invariably send out. This story is one that any girl who reads it will pronounce delightful. Flowers are accorded their proper place and attention in the chapters, which constitutes another claim upon our esteem. For a birthday gift to a young lady, for a vacation reading, it is all right. 320 pages. Illustrations by John Goss. Price \$1.50 net.

Studies of Trees. By J. J. Levison, Forester to the Department of Parks, Brooklyn, N. Y., and Lecturer on Ornamental and Shade Trees at the Yale University Forest School. It may be true that there is nothing new under the sun and it is also true that a good many books have been written on tree subjects in recent years but a newer and better light may ever be thrown upon even a much more overworked subject than that to which this book is devoted and that is just what Mr. Levison has here done. Long years of training and practical observation have equipped him well for such a work and his efforts will be appreciated not only by the public who are ready for any authentic information on the care of trees but by the profes-

sional student and planter who will find in its pages much to interest and help them. The several chapters giving characters and facts useful in the ready identification of trees at any season of the year strike us as especially valuable. In addition to the distinguishing characteristics of the various trees listed, the soil best suited to its needs, its enemies, its value commercially or decorative, etc., are fully recorded. The structures and requirements of trees, trees for street, lawn, woodland and screening, tree diseases, insects, pruning, etc., forestry, uses of the various woods, and other pertinent topics are fully treated in the other chapters. There are 155 fine plates illustrative of the text and a very complete reference index to the contents. 260 pages. Price \$1.60 net. Publishers John Wiley & Sons, Inc., 432 Fourth avenue, New York.

COLD STORAGE TEMPERATURES.

Gentlemen: Knowing that you have available a wide knowledge of experiences and results with the handling of flower bulbs, and wanting information particularly as to the proper carrying temperature for valley pips, we solicit your opinion on the subject. Especially would we like to know what temperature will insure the best keeping state and both the maximum and minimum temperatures.

Very truly yours,
S. J. D.

Lily of the valley pips, if in perfect dormant condition, should be kept in refrigerator at a temperature of 26 to 28°, and can then be carried over until February, but if they show any signs of starting when received, pips should be planted right away.

Lily bulbs, if any description like *L. multiflorum*, *giganteum* and the hardy Japanese varieties, such as *Lilium auratum*, *rubrum*, etc., should be put at 34° and then can be kept until November-December.


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Late branching

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Crimson, Scarlet, Pure White, Rose, Light Pink, Yellow, Salmon, Orange, Copper or Mixed, all colors.

	Doz.	100	1000
Bulbs, 1 1/4 in. diam. and up.....	\$0.35	\$2.25	\$20.00
Bulbs, 1 1/2 in. diam. and up.....	.40	2.75	25.00

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(Elephant's Ear)

	Doz.	100	1000
6 to 8 in. in circumference, 200 in a case.....	\$0.25	\$2.25	\$20.00
8 to 10 in. in circumference, 100 in a case....	.50	3.50	30.00
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Crimson, Scarlet, Rose, Pure White, Copper-Bronze, Salmon, Yellow, Orange, Light Pink or Mixed, all colors.

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Bulbs, 1 1/4 in. diam. and up.....	\$0.50	\$3.50	\$30.00
Bulbs, 1 1/2 in. diam. and up.....	.65	4.00	35.00

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Our strains of Gloxinias are the true, erect-flowering type.

	Doz.	100	1000
Blanche de Vera, White, rose bordered.....	\$0.60	\$4.50	\$30.00
Defiance, Glittering crimson.....	.60	3.50	30.00
Emperor William, Blue, white border.....	.60	3.50	30.00
Etoile de Feu, Carmine red.....	.60	3.50	30.00
Kaiser Frederick, Scarlet, white margin.....	.60	3.50	30.00
King of the Reds, Dark scarlet.....	.60	3.50	30.00
Madame Helene, White, with violet crown....	.60	3.50	30.00
Marquis de Peralta, White, red bordered....	.60	3.50	30.00
Mont Blanc, Snow white.....	.60	3.50	30.00
Prince Albert, Deep purple.....	.60	3.50	30.00
Princess Elizabeth, White, bordered blue....	.60	3.50	30.00
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Queen Wilhelmina, Dark rose.....	.60	3.50	30.00
Boddington's Spotted Varieties. These contain the most distinct and remarkable colors.....	.60	3.50	30.00
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CATALOGUES RECEIVED.

Charles Black, Hightstown, N. J.—Spring of 1915 Price List of Nursery Stock.

H. E. Meader, Dover, N. H.—List of choice Gladioli. A very neat pocket-size catalogue.

W. H. Harrison & Sons, Lebanon Springs, N. Y.—Trade List of Wyomack Nurseries, for Spring, 1915.

Fraser Nursery Co., Huntsville, Ala.—Surplus List No. 2, For Nurserymen and Dealers Only, March 10, 1915.

J. Chas. McCullough Seed Co., Cincinnati, O.—Annual Catalogue of "The Modern Seed Store." Covers in bright colors.

J. L. Moore, Northboro, Mass.—Catalogue and Price List of Dahlias and Gladioli, which are the specialties of this firm.

F. W. Kelsey Nursery Co., New York—Wholesale Price List of Trees and Shrubs "Everything Worth Planting" Spring 1915

Canadian Seed Growers' Association, Ottawa—Catalogue of Registered and Improved Seed, Produced in 1914. Agricultural seeds only.

W. A. Manda, Inc. South Orange, N. J.—List of Novelties and Specialties for 1915. This is a very select list and will prove interesting to all who are watching for new and improved varieties. Seven new dahlias of much merit are listed among other appetizing novelties.

B. Hammond Tracy, Wenham, Mass.—Catalogue of Cedar Acres Gladioli, 1915. A very neat and attractive as well as useful pocket edition.

Livingston Seed Co., Columbus, O.—City Garden Catalogue of Hardy Perennials, Shrubs, Trees, Fruits and Garden Requisites. Finely illustrated.

Peter Henderson & Co., New York.—Henderson's Implement Catalogue. A very useful special catalogue with characteristic suggestive cover illustrations in natural colors.

Eastern Nurseries, Jamaica Plain, Mass.—Wholesale Trade List for Spring, 1915. This is one of the most comprehensive lists of really choice ornamental hardy material issued in this country. H. S. Dawson is manager.

William Tricker, Arlington, N. J.—Water Lilies and Water Garden Plants. A pretty catalogue of these interesting specialties. Two of the blue nymphaeas in colors on the cover page are so natural that they seem to emit perfume.

Benjamin Hammond, Beacon, N. Y.—Trade price list for 1915. Good paint for good workmen, Twemlow's old English glazing putty, agricultural chemicals and insecticides of proven efficacy are the seasonable specialties here listed.

A. T. Boddington, New York.—Boddington's Garden Guide; Spring 1915. Rudbeckias are used for the decorative theme of the cover page, with excellent effect. Contents and illustrations are of the usual progressive char-

acter of the previous publications by this house.

New England Nurseries Company, Bedford, Mass.—Annual Catalogue and Price List of this well-known nursery establishment. The slogan of the house "If it merits growing we grow it; if we grow it it merits growing" is well exemplified in the contents; 72 pages, handsomely illustrated.

Peacock Dahlia Farms, Berlin, N. J.—Catalogue of "The World's Best Dahlias—New Creations and Old Friends." In addition to "the last word in dahlias" we have a very finely illustrated publication of much typographical excellence. A colored portrait of the new decorative dahlia John Wanamaker occupies the title page.

Lynn, Mass.—J. J. H. Gregory & Son, seedsmen, Marblehead, Mass., have opened a branch store at 162 Oxford street. R. J. M. Stockwell, formerly in charge of the seed department of the Collins Hardware Co. at the same location, will be manager.

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Baltimore County, Maryland

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I hereby inform my many friends, the Market Gardeners, Cannors and the public in general, I have placed my entire supply of "John Baer" Tomato Seed which I personally grew and selected, with J. Bolgiano & Son of Baltimore, Maryland. Any seed offered by any other source is not my production and I cannot feel morally responsible for the results it may produce.

I have given this tomato my greatest care and attention for many years and take pride in seeing that my fellow Market Gardeners are getting only seed that truly represents the results of my lifework.
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Pkts., 50c.; ¼ oz., 75c.; oz., \$2.00;
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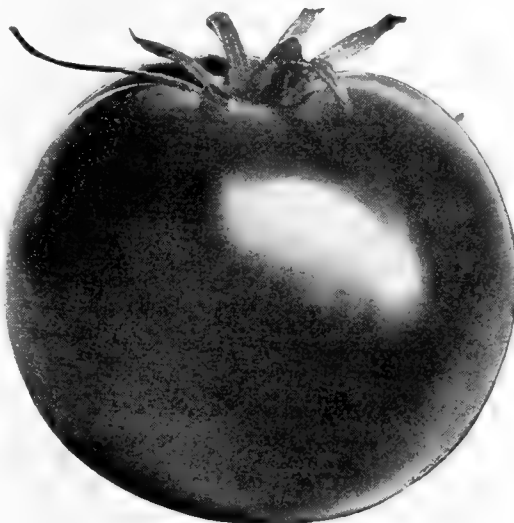
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Chicago, Ill. — L. Beckers, 2558 North Clark street.

Oakland, Cal. — Lee's Floral Shop, 186 12th street.

Chicago, Ill. — Frank Triska, 1802 West 18th street.

Indianapolis, Ind. — Mr. Pandell, East Washington street.

Bethlehem, Pa. — George Charman, 46 South Main street.

Yonkers, N. Y. — James Macdonald, 442 South Broadway.

Philadelphia, Pa. — August Albert, 6159 Woodland avenue.

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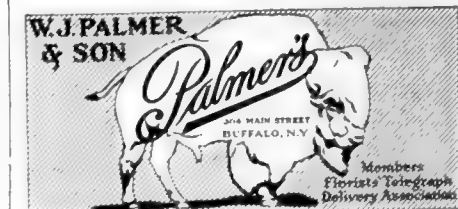
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Albany, N. Y.—The Rosery, 23 Stephen St.

Boston—Thos. F. Galvin, 1 Park St.

Boston—Penn, the Florist, 37-43 Brom-
field St.

Boston—Zinn, the Florist, 1 Park St.

Buffalo, N. Y.—S. A. Anderson, 440 Main
St.

Buffalo, N. Y.—Palmer's, 304 Main St.

Chicago, Ill.—Schiller the Florist, George
Asmus, Mgr.

Chicago—William J. Smyth, Michigan
Ave. and 31st St.

Cleveland, O.—J. M. Gasser Co., Euclid
Ave.

Cleveland, Ohio—Adam Graham & Sons,
5523 Euclid Ave.

Denver, Col.—Park Floral Co., 1643
Broadway.

Detroit, Mich.—J. Breitmeyer's Sons,
corner Broadway and Gratiot Ave.

Houston, Tex.—Kerr, The Florist.

Kansas City, Mo.—Samuel Murray, 913
Grand Ave.

New London, Conn.—Reuter's.

New York—David Clarke's Sons, 2139-2141
Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—Young & Nugent, 42 W. 28th.

New York—Dards, N. E. corner 44th St.
and Madison Ave.

New York—Max Schling, 22 W. 59th St.

New York—G. E. M. Stumpp, 761 Fifth
Ave.

New York—Thos. F. Galvin, Fifth Ave.,
at 46th St.

New York—J. H. Small & Sons, 1153
Broadway and Waldorf-Astoria

New York—Myer, 609-611 Madison Ave.

New York—A. T. Bunyard, 413 Madison
Ave.

Norwich, Conn.—Reuter's.

Omaha, Neb.—Hess & Swoboda, 1415
Farnum St.

Rochester, N. Y.—J. B. Keller Sons, 25
Clinton Ave., N.

St. Louis, Mo.—Fred C. Weber, 4326-28
Olive St.

St. Paul, Minn.—Holm & Olson, Inc.

Tarrytown-on Hudson, N. Y.—F. R. Pier-
son Co.

Toronto, Can.—J. H. Dunlop, 96 Yonge
St.

Washington, D. C.—Gude Bros., 1214 F
St.

Washington, D. C.—F. H. Kramer, 915
F St., N. W.

Westerly, R. I.—Reuter's.

Worcester Mass.—Randall's Flower Shop,
3 Pleasant St.

Flushing, N. Y. — August Millang.

who has conducted the florist store at
1 Jamaica avenue the past two years.

has sold the business to S. Frick, of
Brooklyn, who has heretofore been in
Mr. Millang's employ.

Miss Beatrice Rudersdorff, who was
with the Joy Floral Co., Nashville,
Tenn., is now making her home in St.
Louis.

ORDERS FOR

NEW YORK

WIRE OR PHONE TO

MAX SCHLING

22 West 59th Street, adjoining Plaza Hotel

Best Florists in the States as References

EUROPEAN ORDERS EXECUTED

Members of the Florists' Telegraph
Delivery.

REUTER'S Members Florists'
Telegraph
Delivery

STORES IN

New London and Norwich, Conn.
and Westerly, R. I.

We cover the territory between

New Haven and Providence

Transfer your orders for flower or
plant deliveries to

ZINN The Florist
4 Park St., Boston

HESS & SWOBODA

FLORISTS

Telephones 1591 and L 1553

1415 Farnum St.,

OMAHA, NEB.

THE J. M. GASSER COMPANY,

CLEVELAND

Euclid Avenue

Kerr **ORDERS
FOR
TEXAS**

The Florist HOUSTON, TEXAS

Member F. T. D. Association.

The Far-Famed Flowers of

TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP

96 Yonge St., - - TORONTO, ONT.

SAMUEL MURRAY

913 GRAND AVE.

KANSAS CITY, MO.

Member of the Florists' Telegraph Delivery

***Orders Telegraphic or Otherwise, from the Trade
Anywhere for Easter Delivery of Flowers, Designs or
Choice Plants Given Prompt and Careful Attention***

NEWS ITEMS FROM EVERYWHERE

BOSTON.

Houghton-Gorney Co. will feature baskets of roses for Easter.

At Harry Quint's Back Bay store the "popular price" idea is taking hold in this high-class district and is being very favorably received.

N. F. McCarthy who has been in Bermuda for the past month has returned much benefited by the opportunity for rest and quiet.

Galvin's new store on Park street, is a veritable indoor garden. An additional touch of cheery welcome is given in the use of canaries in cages suspended from the ceiling.

The closing lecture for this season at Horticultural Hall, Boston, will be by Prof. H. H. Whetzel, Ithaca, N. Y., Saturday, March 27, on Diseases of the Peony, illustrated by stereopticon views.

Waban Rose Conservatories are making a fine display of their new rose, Mrs. Moorfield Storey, at the Rose Show. This variety is being received with favor all over the country, especially in the East.

C. Fine, formerly located at 136 Massachusetts avenue, has moved to larger quarters at 121 Massachusetts avenue. This move to a bigger store has been necessitated in part by the rapid development of his business.

J. B. McDonald, of Wax Bros., delivered a very interesting talk before the Lynn Art Club, March 12, on the

construction and planning of old-fashioned gardens. Mr. McDonald has had much practical experience in this phase of landscape gardening.

Sidney Hoffman has opened up a branch store at 194 Boylston street, where Ed. MacMulkin was formerly located. Mr. Hoffman is one of the best decorators in the city. An effective display can be seen in the windows of his new store, in which a toy automobile is centered.

Kameyama & Serada of North Cambridge dispose of a large part of their bulb stock through the 5c. and 10c. stores, and say they find it more profitable to market their product by contract in this way than to take chances on the fluctuations of the markets. They have already sold their entire Easter crop of bulbs and lilies.

Penn. the Florist, had an attractive St. Patrick's Day display this week. Brilliantly colored butterflies were tethered to the plants with some fine thread, so as not to flutter away. Roses in baskets and other rose combinations will be featured for Easter. It is expected that much public interest in the rose will be stimulated by the Rose Show in Horticultural Hall this week.

Boston's two old pioneer wholesale flower establishments, Welch Bros. Co. and N. F. McCarthy & Co., are well prepared for a big Easter rush. Both have secured large lily crops of very fine quality and an abundance of all

other material required for the flower trade of the big floral week. Lily plants are a big specialty with Welch Bros., their custom being to have them shipped in crates direct from the greenhouses to their customers. Plant auction sales at McCarthy's are to open up in a few days.

With the rebuilding of the Gray Herbarium at Harvard, by which the original frame structure has been completely made over in concrete and steel, Harvard has the best equipped building in the world of its kind. The building is in the Botanic Garden in Cambridge. The original herbarium was built in 1864 to house the collection of Professor Asa Gray. The first stage in the reconstruction was the erecting of the Kidder wing to house the indexed specimens of flowering plants and ferns. The library wing was then constructed and the George Robert White laboratories are now located there.

New Bedford, Mass.—Business has been somewhat dull lately, though good roses still find a ready sale at comparatively high prices.

The Horticultural Society is to hold its annual dinner on the eighth of April at the Parker House. The entertainment committee, Messrs. Barrows, McVicker and Post promise some readings, and some good music for the occasion.

FRANK L. GRAY.

SEASONABLE SUGGESTIONS

BY THE FLORISTS' SUPPLY HOUSE OF AMERICA

EASTER BASKETS NOW READY

HANDLE BASKETS With Liners

CYCAS LEAVES, Best in the World

WHEAT SHEAVES, CREPE PAPER AND MATS

TUMBLER BASKETS

MAGNOLIA LEAVES

CREPE FLOWERS

H. BAYERSDORFER & CO.,

The Florists' Supply
House of America

1129 Arch St.,
PHILADELPHIA, PA.

WASHINGTON.

George H. Cooke who has been confined to his home on account of illness for about two weeks is again at his store.

The store of Fred H. Kramer, 916 F street, Northwest, presents a very attractive appearance at this time, as he is holding his annual exhibition of spring flowers.

David A. Bisset will leave early next month for the Northern Great Plains field station at Mandan, N. D., going thence to various points in Washington, Oregon and California to confer with and assist field representatives of the bureau of plant industry, of which he is a laboratory aid.

S. Kahn Sons & Company department store last week held their annual sale of rose bushes, flowering shrubs and grape vines, which they sold at ten cents each. So great was the demand for these that they quickly cleaned out their stock and were forced to recall their advertisement which was running in the daily papers.

The bankrupt estate of the Washington Florists' Company was offered for sale at public auction at the store. But two bids were offered, both by J. Louis Loose, the president of the concern. A number of local florists and others present at the sale were ready to bid on individual articles, especially the automobiles, but the bids were made by Mr. Loose in bulk.

Letters have been received by William F. Gude from each of the four express companies in answer to a letter addressed by him to the Interstate Commerce Commission wherein he asked for a modification of that section of Classification No. 22, applying to the shipment of potted plants. Naturally, the express companies declare that the present classification of growing plants is not unreasonable, and that the second class rate was intended to be applied to the cheaper grades of stock such as strawberry, cabbage, tomato plants, etc., and not to flowers or ornamental plants, or plants shipped in receptacles which by their nature require additional care in handling. There is a difference of about twenty-five per cent between the two rates. A conference with a committee of the S. A. F. and O. H. would be acceptable to the representatives of the express companies, the same to be held in New York City, and Mr. Gude is inviting correspondence by those interested that when the time comes for such a

conference he may have a good case for presentation.

PITTSBURGH.

The Blind Floral Company expect shortly to reopen road work through their West View plant, which was suspended during the winter. Ligonier block is being used for this work.

It is with regret that we chronicle the recent death of Mrs. Harvey C. Sheaff, whose interment took place on Friday of last week. Mr. Sheaff has the sympathy of many friends and acquaintances in his bereavement.

Julius W. Ludwig, of the Ludwig Floral Company, is negotiating with the railroads for club rates to the Panama-Pacific Exposition. Both he and Mrs. Ludwig together with Mr. and Mrs. Gustave Ludwig, and several others expect to take this trip, remaining "as long as their money lasts."

The McCallum Company is unfortunate this week in the absence of George Marshall, one of the firm, and Karl Klinke, the credit man, both of whom are confined at home by illness. Their neighbor, W. A. Clark, through a severe cold, has almost reached the same stage, keeping up and doing only through heroic measures.

The Pittsburgh Cut Flower Company opened business this week in its new building at 616-18 Seventh street, which is one of the most modern and complete wholesale houses in the country. Although only three stories are now completed, the foundation and structural work were built with reference to a future building of twelve floors. On the first floor is the store room proper with a mezzanine for ribbons and chiffons. Here, also, are the automatic ammonia refrigerating flower boxes. Offices and supplies are on the second floor, while the third is used for the manufacture of wire designs. There is a case 75 feet long which will keep the baskets in perfect condition, and lavatories on every floor.

PHILADELPHIA.

Prof. McFarlane of the University of Pennsylvania addressed the Garden and Orchard Society on Rhododendrons and Azaleas at 1714 Chestnut street, on March 12th.

FRESH-CUT FLOWERS TODAY.

5000 bunches sweet peas, 15c. bunch.
Double and single violets, 15c. bunch.
Carnations, 60c. dozen.
Tulips, 35c. dozen.
Daffodils, 35c. dozen.

POTTED PLANTS.

Hyacinths, in bloom, 20c. each.
Spirea, in bloom, 50c. each.
Azaleas, in bloom, \$1.50 each.
Rose bushes, in bloom, \$1 each.

The above is the Wanamaker department store ad. for Saturday, March 13. In view of the incessant invective by a certain class of retail dealers against department stores or any one but themselves selling flowers and plants, it is interesting to note that Wanamaker is getting 60c. a dozen for carnations, while the regular flower stores are only asking 35c. to 50c. a dozen. Unable to sell them at good prices themselves, they seek to prevent others from doing it. G. C. WATSON.

ST. LOUIS.

Vincent Gorly, of Grimm & Gorly, will have to remain in bed for the next ten days with a sprained foot, result of roller skating at one of the local rinks.

W. F. Bentzen and Otto G. Koenig well known in local trade circles ran for the nomination of alderman on the republican ticket, Friday, March 12, and Mr. Bentzen won out and now we want to elect him.

John T. Millekin whose ambition it is to have the largest greenhouse plant in America at Crescent, Mo., perhaps will carry out his plan as he recently sold his interests in the Golden Cycle Mine at Colorado Springs for \$4,500,000. Mr. Millekin is now rated as one of the richest men in St. Louis.

Plymouth, Mass.—A man in this town, named Bernard Feldman, is being exploited as a prospective "rival to Luther Burbank," having "revealed a discovery in plant propagation that may be destined to surpass the wonders of the Wizard." Inoculation of the "pulse root" of the tree with certain microbes is the process, and marvelously increased growth is the alleged result which is to enrich the scientific world with another "wizard." Glory be.



**Real
Butterflies**

Moths, Beetles, etc.,
mounted on pins for
floral decorations of every description.
Largest stock in America.
Write for prices.

The New England Entomological Company
366 Arborway, Jamaica Plain, Mass.

LILIES FOR YOU!

Notwithstanding the Early Date of Easter Our Lilies will be of the Same High Grade that we Have Been Furnishing in Years Past

We carry Boxes of Twenty-five Pots each, Nicely Crated over the Top. Our Packing is Un-
 der the name of BEST IN THE UNITED STATES. Average 5 Flowers to the Pot. One Extra
 Plant, gratis, in each crate.

Price of case lots, 12c. per Flower or Bud. ORDER EARLY so that we may be able to Ship
 Them Direct from the Greenhouses Without Rehandling.

We carry a full line of Fresh Choice Flowers, all varieties, and the largest stock of Florists' Supplies, Artificial Flowers and Foliage in New England

ROSES OUR SPECIALTY

Ophelia, Hadley and all the popular Novelties in all grades and prices.

The Killarneys, Richmond, Cardinal, Killarney Queen, Maryland, Russell,

FLORISTS' SUPPLY DEPARTMENT

Easter Baskets, Vases, Novelties in All Lines.

Plant Auction Sales for Spring Season will begin early in April if shipments arrive, and thereafter each Tuesday and Friday until June

N. F. McCARTHY & CO.

Wholesale Florists and Supply Dealers 112 Arch & 31 Otis Sts., BOSTON

TELEPHONE—MAIN 5972, 5973, 5974, 5902

CHICAGO.

Fred Lautenschlager, of Kroeschell Bros. Co., is in the East, where he will attend the flower show and visit Boston and other cities.

It looks now as if the LeMoyné building might become a sort of florists' center some day. "How long is your lease?" is a very frequent question. A. L. Randall and E. C. Amling will soon be able to move in.

Growers of bulbous stock are rejoicing over the fine quality of the stock they are now selling, by far the best they have ever had. It is attributed to the possibility of this country having received the high-class bulbs heretofore reserved for European countries.

Walter M. Schlueter, who was in the sash and door section of the Foley Greenhouse Co. at the old factory, has now rejoined the company at its new place. He is a brother of Christian H. Schlueter, secretary of the firm, and is already at home with the greenhouse material propositions.

The Foley Greenhouse Manufacturing Co. shipped a carload of material this week to August Von Boeselager at Mt. Clemens, Mich., for his new greenhouses. The material will be shipped to Columbus, O., in a few days, for the new vegetable range at the Ohio State University. This makes four state universities that this company has erected greenhouses for in the past year—Illinois, Indiana, Iowa and Ohio. The Von Boeselager house will be of unusual size—42 x 200 feet,

and the 24-foot bars are each in one piece.

The Adams Flower Store is receiving credit for catching a crook trying the worn-out game of getting flowers and money on a worthless check. A telephone order for three dollars' worth of flowers and request to send seventeen dollars for change aroused suspicion and a detective was sent to be present when the money was passed. The result is, one less at liberty to make a living at the expense of others.

Eight years ago, the humble shamrock made its first appeal to the plant lovers of Chicago. A few hundred plants were grown in Elgin, Ill., and sold to the wholesalers here for \$12.00 per 100. They were in two-inch pots and were resold, to hotels mostly, for 25c. each. Each year has seen the stock increase, and this year about 100,000 are offered in three sizes. The department stores have used them as special offerings, and one store alone uses half the amount grown. Methods of handling have improved also. The ones in thumb pots are stood in flats containing wet sand and so kept fresh. Proper boxes are provided for customers to carry home their plants, and fancy boxes for shipping. It seems as if everything now had been done to popularize the sale of the shamrock, and the public has responded with a will. What plant comes next?

At the meeting of the Chicago Florists' Club, April 8, the members will be entertained by a stereopticon lec-

ture on the trip to San Francisco, given by a representative of the Gregory-Tours. The club has a live man who knows how to get good entertainment for the meetings, and his friends call him "Mike." He is just as popular, however, when it comes to selling flowers at the Chicago Flower Growers' Association, on Michigan avenue, where, with his chief, Paul Klingsporn, they sell every kind of stock to be found in the Chicago flower market. Their supply of roses this year has been unusually fine and arrangements have been made that will secure a still larger supply of the very best to be had another season. Plants as well as cut flowers are a strong feature here. Manager Klingsporn has made his one year in this store count big and to him is due much credit for the year's success.

The body of a man, believed to be that of Albert Scott, of West Roxbury, Mass., was found at Quincy Neck, last Sunday afternoon, by three boys who were taking a stroll through the woods. A receipt for rent made out by the Boston Flower Exchange led to the probable identification. Mr. Scott was the proprietor of greenhouses in West Roxbury, which he conducted under the name of the Willow Hill Greenhouse. He disappeared from home shortly before Thanksgiving. At that time he is said to have been in a highly nervous state that bordered on melancholia. He was well liked by the trade in and about Boston and much regret is felt at his tragic ending.

William Stuart Allen Co.

COMMISSION MERCHANTS

—IN—

CUT FLOWERS

Finest Easter Specialties

53 West 28th Street

NEW YORK

Telephone: 356 Madison Square

George C. Siebrecht

—Wholesale Florist—

109 West 28th Street,

Tel. 608-609 Mad. Square.

NEW YORK

HEADQUARTERS FOR

Valley, Orchids, Violets, Gardenias

In large quantities and of the best quality

Also Carnations, Spencer Peas, Roses, Lilies, Bulbous Stock, Lilac, Asparagus, Etc.

THE CHICAGO FLOWER GROWERS ASSOCIATION

176 N. MICHIGAN AVENUE, - - - - - CHICAGO, ILL.

BEAUTIES.....per doz., \$4.00 to \$6.00
ROSES. Per 100

Killarney, special.....	\$12.00
" fancy.....	\$8.00 to 10.00
" good.....	5.00 to 6.00
White Killarney, special..	12.00
" " fancy....	8.00 to 10.00
" " good.....	5.00 to 6.00
Richmond, special.....	12.00
" fancy.....	8.00 to 10.00
" good.....	5.00 to 6.00
Ward, special.....	12.00
" fancy.....	8.00 to 10.00
" good.....	5.00 to 6.00
Sunburst, special.....	12.00
" fancy.....	8.00 to 10.00
" good.....	5.00 to 6.00
Milady, special.....	12.00
" fancy.....	8.00 to 10.00
" good.....	5.00 to 6.00

EASTER PRICE LIST Effective March 29

ROSES.		Per 100
Shawyer, special.....		\$12.00
" fancy.....	\$8.00 to	10.00
" good.....	5.00 to	6.00
Killarney Queen, special..		12.00
" fancy....	8.00 to	10.00
" good....	5.00 to	6.00
Roses, our selection.....		4.00
CATTLEYS.....per doz.,	4.00 to	6.00
CARNATIONS.....	3.00 to	4.00
" special fancy.....		5.00
" splits.....		2.00
EASTER LILIES, select.....	12.50 to	15.00
" shorter.....		10.00

MISCELLANEOUS.

	Per 100
Callas	\$12.50 to \$15.00
Valley	3.00 to 4.00
Sweet Peas.....	.75 to 1.50
Tulips, Daffodils, Jonquils	3.00 to 4.00
Violets, single and double	.50 to 1.00
Freerias	3.00 to 4.00
GREENS.	
Asp. Plumosus per string.	\$0.50
Asp. Plumosus Sprays,	
bunch	\$0.35 to .50
Sprengerl, per bunch.....	.35 to .50
Adiantum per 100	1.00
Smilax, choice, per doz.....	1.50 to 2.00
Fancy Ferns, per 1000.....	3.00
Galax Ferns, per 1000.....	1.00
Boxwood, per lb. 25c; 50-	
lb. case	7.50
Pussy Willows, per bunch.	.35 to .50

A SHIPPING CENTRE

Albany, New York, is the logical distributing centre for a very large flower consuming section. Facilities for transportation, north, east, south and west are unexcelled, and when to this fact we add a first class supply and a thorough knowledge of the wholesale flower shipping trade, you can understand that the

ALBANY CUT FLOWER EXCHANGE

is well equipped to fill a demand. So, if you want

Flowers, Greens or Supplies for EASTER or Any Other Time

the right place, the right goods, the right service at the right time, are now at your disposal. **ORDER EARLY** and you can include all the popular **ROSES** and **CARNATIONS**, **LILIES**, **LILY OF THE VALLEY** and **BULB STOCK**, **VIOLETS**, etc.

THOMAS TRACEY, Mgr. ALBANY, N. Y.

SAN FRANCISCO NOTES.

John R. Fotheringham, of this city, has just received a large sample line of baskets from the S. S. Pennock-Meehan Company, of Philadelphia, which are well received by the local trade.

The National Association of Park Supervisors and Superintendents is now in progress at the University of California, Berkeley. The closing session will be held in the Southern Pacific auditorium at the Exposition.

George Jacques, of Pelicano, Rossi & Co., is leaving the flower business to embark in the hardware trade with some of his friends. Mr. Jacques has many friends among the local florists, to whom his departure from the trade is a matter of regret.

Newton Peck has been named as Horticultural Commissioner of San Mateo county, Cal., in which are located, aside from important fruit-growing interests, some of the principal violet farms of the state, a number of important hothouses and nurseries of ornamental plants.

Albert O. Stein, the Sutter street florist, recently added a basket room to his store, where he is exhibiting a large line of novelty baskets, selected from many lines, many of them being finished in his establishment. He has also set aside a room for the display of artistic jars and pottery for use with flowers.

At the last meeting of the Pacific Coast Horticultural Society, March 6, H. Plath brought a collection of very

fine primulas from 4-inch pots as an exhibit, which was rated at 85 points. The MacRorie-McLaren Company brought an exhibit of Phalaenopsis leucorrhoda, a natural hybrid of amabilis and Schilleriana, a delicate pink in color. Final arrangements were discussed for the Spring Flower Show under the auspices of the society, in conjunction with the Department of Agriculture of the Panama-Pacific International Exposition. The show will be of greater magnitude than was expected, as plenty of space has been arranged for in the Horticulture building at the Exposition. The Exposition management has come forward liberally with offers for prizes, and an unusually large number of exhibits are promised. The premiums include a gold medal, several silver and a number of bronze medals and diplomas, as well as a large number of cash prizes. The competition is open to all in all classes, and plants and flowers do not necessarily have to be grown by the exhibitors. The show will take place March 19, 20 and 21.

FIRES.

Flushing, N. Y.—The houses of the Flushing Rose Gardens were damaged by fire to the extent of \$500, besides a large loss on plants, March 3d. The loss is covered by insurance.

Duluth, Minn.—The greenhouse and store of Seekins, florist, at Third avenue East and Superior street were badly damaged by fire March 3rd. Loss \$9,000, partly covered by insurance on bulbs and plants.

NEW CORPORATIONS.

Los Angeles, Cal.—Utah Nursery Company, capital stock \$5,000. Incorporators, A. J., B. C. and K. G. Vorse.

Tuttle, Okla.—Tuttle Grain & Seed Co., capital stock, \$5,000. Incorporators, C. C. Davis, M. E. Davis and R. L. Park.

Kingston, N. Y.—Valentine Burgevin, Inc., florists; capital stock, \$50,000. Incorporators, David Burgevin, Mabel H. Burgevin, George Burgevin.

New York, N. Y.—Henry Hart, Inc., flowers and plants; capital stock, \$15,000. Incorporators, B. N. Cohenno, M. P. Doyle, F. E. Karelsen, Jr., 540 West 165th street.

New York, N. Y.—H. Frank Darrow Company, nursery stock and horticultural products; capital stock, \$15,000. Incorporators, Reginald J. Smith, August Dobremysyl, May Darrow.

BUSINESS TROUBLES.

St. Elmo, Tenn.—Fred C. Higley, grower, has gone into bankruptcy to avoid the expenses of several large suits filed against him.

Wilkesbarre, Pa.—A petition in bankruptcy has been filed against Ira G. Marvin by Attorney Neil Crisman, who has asked for the appointment of a receiver.

PATENTS GRANTED.

1,131,156. Power Lawn-Mower. Ramsom E. Olds, Lansing, Mich.
1,131,553. Lawn and Garden Rake. Carl J. Rethorn, Shelley, Idaho.

WE HAVE The Choicest Selection of Flowering Plants in this Section

Our Giganteum Lilies for Easter are the finest we have ever offered.

American Beauties, Roses, Carnations, Lily of the Valley and all the Seasonable Novelties are on our list for the Easter Trade.

We earnestly solicit your patronage. It will be to your advantage to secure our quotations before looking elsewhere.

WELCH BROS. CO.

226 Devonshire St., Boston, Mass.

Phones, Main, 6267, 6268 and 6269

A KINDERGARTEN FOR SUCCESSFUL FLORISTS.

We were talking to Frank J. Dolansky of Lynn, the other day, about old times, and during the conversation he became fondly reminiscent about the days when he first came to this country and was working for Pitcher & Manda at Short Hills, N. J.

He spoke of the men who had been his fellow workers, and the names he mentioned are those that the trade conjures with at the present time, so we list some of them below as a stimulant for all young men now in subordinate positions, in order to emphasize the thought that the present positions held by the young men engaged in floriculture are only stages in the climb to more profitable places; that every place of business is a training school, in which those in minor positions are being paid while they are really learning and preparing themselves for the big opportunity—getting a thorough training in floriculture at the other man's expense—so that when the time comes to launch out into business the intelligent learner will have acquired his knowledge without taking any chances with his little capital. The well-known men listed below possessed this advantage at the big Short Hills establishment:

Daniel MacRorie of MacRorie-McLaren Co., San Francisco; John E. Lager and Henry Hurrell of Summit, N. J.; F. L. Atkins of Bobbink & Atkins, Rutherford, N. J.; F. J. Dolansky of Lynn, Mass.; J. H. Troy of New Rochelle, N. Y.; A. T. Boddington of New York; Harry A. Bunyard and Arthur T. Bunyard of New York, and several others.

NEWS NOTES.

Danvers, Mass.—The Woodman greenhouses have been leased by George W. Marshall for a term of 2½ years with privilege of purchase.

Hudson, N. Y.—The establishment of the late R. W. Allen has been sold to Leon Hathaway who will conduct it under the name of The Allen Greenhouses.

Yonkers, N. Y.—James Macdonald, who has been associated with his brother William Macdonald in the florist shop at 2 Main street, has opened a new store at 442 South Broadway. It is known as the "Broadway Flower Shop" and will carry a full line of cut flowers, potted plants and seeds.

PERSONAL.

John G. Tilden has been appointed a member of the Park Commission by the mayor of Malden, Mass.

Mr. and Mrs. W. H. Wyman of North Abington, Mass., are in California viewing the Exposition and will return about April 1.

Frederick Martin, formerly of Wayne, Pa., has accepted the position of gardener at Reynolda Greenhouses and Farms, Winston-Salem, N. C.

Mr. Speelmann of Sassenheim, Holland, who has been in this country on a business tour covering five months sailed for home on Wednesday, March 10, on the Ryndam. Mr. Sassenheim expressed himself as not enthusiastic over the conditions for the Holland trade in this country.

Cut Flowers for Easter

Ample supplies of all staples in cut flowers

ROSES, CARNATIONS, VIOLETS, VALLEY ORCHIDS, GARDENIAS

EVERYTHING IN SEASONABLE GREENS

Everything in Season Long Experience Careful, Conscientious Service
Notice New Address Best Facilities Central Location

BERGER BROS. 1225 Race St.

**WHOLESALE
FLORISTS**

Philadelphia, Pa.

Cut Flowers for EASTER

**BEAUTIES, CARNATIONS, ROSES, WHITE AND LAVENDER LILAC
SNAPDRAGON, GARDENIAS, CATTLEYAS**

and everything in season we expect to have in ample quantity to fill all orders. Depend on us for your supply and place your order as early as possible. Our Easter Price List is ready now and will be mailed to you on request.

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SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

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226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI March 15		CHICAGO March 8		BUFFALO March 15		PITTSBURG March 15	
Roses								
Am. Beauty, Special.....	40.00	to 50.00	40.00	to 50.00	.....	to 40.00	15.00	to 50.00
" " Fancy and Extra.....	30.00	to 35.00	25.00	to 40.00	.....	to 30.00	25.00	to 35.00
" " No. 1.....	10.00	to 15.00	10.00	to 20.00	15.00	to 20.00	15.00	to 25.00
Killarney, Richmond, Extra.....	6.00	to 8.00	6.00	to 10.00	8.00	to 10.00	8.00	to 12.00
" " Ordinary.....	2.00	to 4.00	3.00	to 5.00	3.00	to 5.00	3.00	to 6.00
Hillingdon, Ward, Sunburst, Extra.....	6.00	to 8.00	7.00	to 10.00	7.00	to 8.00	8.00	to 10.00
" " Ordinary.....	2.00	to 4.00	2.00	to 5.00	4.00	to 6.00	3.00	to 6.00
Maryland, Radiance, Taft, Extra.....	6.00	to 8.00	6.00	to 12.00	6.00	to 8.00	6.00	to 10.00
" " Ordinary.....	3.00	to 6.00	3.00	to 5.00	4.00	to 6.00	4.00	to 5.00
Russell, Hadley, Ophelia, Mock.....	4.00	to 10.00	6.00	to 25.00	.....	to 6.00	6.00	to 25.00
Carnations, Fancy.....	2.00	to 3.00	2.00	to 3.00	2.50	to 3.00	3.00	to 4.00
" " Ordinary.....	1.50	to 2.00	1.00	to 2.00	1.50	to 2.00	1.50	to 2.00
Cattleyas.....	25.00	to 35.00	35.00	to 50.00	40.00	to 50.00	40.00	to 50.00
Lilies, Longiflorum.....	10.00	to 12.50	8.00	to 10.00	8.00	to 12.00	10.00	to 15.00
" " Rubrum.....	8.00	to 10.00	.....	to 4.00	4.00	to 6.00	4.00	to 6.00
Lily of the Valley.....	3.00	to 4.00	3.00	to 4.00	.....	to 4.00	3.00	to 4.00
Daisies.....	1.00	to 1.50	.....	to 1.00	1.00	to 1.50	1.00	to 2.00
Violets.....	.50	to .75	.30	to .40	.40	to .50	.80	to .50
Snapdragon.....	4.00	to 8.00	8.00	to 10.00	4.00	to 6.00	8.00	to 10.00
Narcissus, Paper White.....	2.00	to 3.00	1.00	to 2.00	2.00	to 2.50	.....	to 2.00
Freemias.....	2.00	to 3.00	2.00	to 4.00	2.00	to 3.00	2.00	to 3.00
Daffodils.....	2.00	to 3.00	2.00	to 3.00	2.00	to 2.50	2.00	to 3.00
Tulips.....	3.00	to 4.00	2.00	to 3.00	2.00	to 2.50	2.00	to 4.00
Sweet Peas.....	.50	to 1.50	.50	to 1.00	.50	to 1.50	.50	to 1.50
Corn Flower.....	.....	to 2.00	.....	to 2.00	.....	to 2.00	.....	to 2.00
Gardenias.....	.....	to 30.00	.....	to 30.00	.....	to 25.00	.....	to 30.00
Adiantum.....	.....	to 1.00	1.00	to 1.25	1.00	to 1.25	1.00	to 1.50
Smilax.....	.....	to 12.50	12.00	to 18.00	12.00	to 15.00	15.00	to 18.00
Asparagus Plumosus, Strings (100)	25.00	to 50.00	40.00	to 50.00	40.00	to 60.00	50.00	to 60.00
" " & Spreng. (100 bchs.)	20.00	to 25.00	20.00	to 35.00	25.00	to 35.00	25.00	to 35.00

WILLIAM F. KASTING Co.

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WOODROW & MARKETOS

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CHOICE BEAUTIES, ORCHIDS, VALLEY, ROSES
and all Seasonable Varieties of Cut Flowers

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WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

264 RANDOLPH ST., DETROIT, MICH

Flower Market Reports

As we go to press, Thursday, the market continues steady. St. Patrick's Day stirred up a fair demand for white stock of all kinds, especially carnations and *Narcissus poeticus*. The latter cleaned up very well last Tuesday, being in much demand for green coloring. Carnations are plentiful and of excellent quality, but except for last Tuesday and Wednesday they have brought only average prices. Roses remain about the same, excellent quality, but not in great demand. Bulbous flowers relieve the market a bit, moving more easily than other stock. There are plenty of other flowers,—English primroses, antirrhinums, mignonette, pansies, etc. There is no exceptional call for sweet peas. Callas and Easter lilies move slowly. The demand for shamrock plants was one of the redeeming features of the week's business. Flowering plants are being bought in larger quantities and a big variety is offered. The leading retail stores are displaying fine specimens of lilacs, bougainvilleas, French hydrangeas, rambler roses, etc. The long list of flowers and plants available at this time of year is remarkable and makes the season very attractive to the trade.

Quite a busy week has passed and up to this writing the market is in excellent condition. There is a good supply of carnations, roses, sweet peas, freesia, lilies, violets and other stock. Receipts are heavy on tulips and daffodil. Beauties have come on a little better in quality and have good sales considering the high prices. There is plenty of southern asparagus and other good greens and ferns.

Stock daily becomes more plentiful. There is now all that the market can take care of and most houses would welcome more customers. On the busy days stock generally cleans up or nearly so, but all the days are not busy ones. The smaller florists, in the outlying towns, are now able to cut most of the stock they need from their own houses, thus diminishing sales of the wholesalers. Bulbous stock is in good crop generally. Every store, wholesale or retail, has a large assortment, and prices are staying up especially well. This is largely due to the excellent quality this year. In spite of the fact that the stock of the Mrs. Russell rose is being heavily cut for propagating, there is a fine supply of those roses coming in and the price far exceeds that of any other rose except American Beauty. There is a good supply of all the Killarneys and, in yellow roses, Ward and Sunburst are both coming in fair quantity and good quality. There are just about enough Richmonds and Milady to supply the trade with red. Beauties are making a little better showing. Quite a few cattleyas are now seen but the supply is far from large. Very few gardenias are offered. Sweet peas have dropped in price, Spencers, of course, leading. Violet season is nearing the close of a rather poor year.



Flowers for the Easter Parade

No Easter costume is complete without its corsage of flowers, giving it just that dainty touch and finish that makes it perfect. Some want the very choicest, some medium-priced and some cheaper flowers, but the majority—the masses—want the moderate-priced flowers, which we will have in quantity.

VALLEY

Special, per 100.....\$4.00
Extra, per 100..... 3.00

GARDENIAS

Special, per doz.....\$4.00
Fancy, per doz..... 3.00

SWEET PEAS

Ordinary Varieties, per 100, 75c., \$1.00;
extra long, \$1.50.
Spencers, per 100, \$1.50, \$2.00, \$2.50;
short, \$1.00.

DAISIES

Giant Yellow and White, per 100, \$1.50,
\$2.00. Marguerites, per 100, \$1.00.

EVERYTHING IN RIBBONS AND
FLORISTS' SUPPLIES. Send for our
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S. S. Pennock-Meehan Co.

The Wholesale Florists of Philadelphia

NEW YORK, 117 W. 28th St.

PHILADELPHIA, 1608-1620 Ludlow St.

BALTIMORE, Franklin and St. Paul Sts.

WASHINGTON, 1216 H St., N.W.



WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON March 18		ST. LOUIS March 15		PHILA. March 8	
Roses						
Am. Beauty, Special.....	30.00	to 35.00	40.00	to 50.00	40.00	to 50.00
" " Fancy and Extra.....	12.00	to 20.00	15.00	to 20.00	12.50	to 35.00
" " No. 1.....	4.00	to 10.00	8.00	to 10.00	4.00	to 8.00
Killarney, Richmond, Extra.....	4.00	to 10.00	8.00	to 10.00	5.00	to 10.00
" " Ordinary.....	2.00	to 5.00	4.00	to 6.00	2.00	to 4.00
Hillingdon, Ward, Sunburst, Extra.....	6.00	to 12.00	8.00	to 10.00	6.00	to 10.00
" " Ordinary.....	3.00	to 6.00	4.00	to 6.00	3.00	to 5.00
Maryland, Radiance, Taft, Extra.....	6.00	to 12.00	8.00	to 10.00	6.00	to 10.00
" " Ordinary.....	3.00	to 4.00	4.00	to 6.00	3.00	to 5.00
Russell, Hadley, Ophelia, Mock.....	4.00	to 15.00	8.00	to 12.00	4.00	to 15.00
Carnations , Fancy.....	3.00	to 4.00	2.00	to 3.00	3.00	to 4.00
" " Ordinary.....	1.00	to 2.00	1.00	to 1.50	1.50	to 2.00
Cattleyas	20.00	to 30.00	40.00	to 50.00	12.50	to 35.00
Lilies , Longiflorum.....	6.00	to 8.00	10.00	to 12.50	8.00	to 10.00
" " Rubrum.....	.....	to 6.00	.....	to 4.00	4.00	to 10.00
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	1.00	to 4.00
Daisies.....	.....	to 1.00	.....	to 2.00	.50	to 2.00
Violets.....	.25	to .50	.20	to .50	.20	to .50
Snapdragon	3.00	to 4.00	3.00	to 4.00	5.00	to 12.00
Narcissus , Paper White.....	1.00	to 2.00	2.00	to 3.00	1.50	to 2.00
Freesias.....	.....	to 2.00	2.00	to 3.00	1.00	to 3.00
Daffodils	1.00	to 3.00	2.00	to 3.00	1.00	to 3.00
Tulips	1.00	to 2.00	3.00	to 4.00	1.00	to 3.00
Sweet Peas.....	.35	to 1.25	.30	to .75	.35	to 1.40
Corn Flower.....	.50	to .75	.....	to 1.50	1.50	to 2.00
Gardenias	20.00	to 35.00	.....	to 5.00	5.00	to 16.00
Adiantum.....	.50	to 1.00	1.00	to 1.25	.....	to 1.00
Smilax	8.00	to 12.00	10.00	to 12.50	15.00	to 20.00
Asparagus Plumosus , Strings (100).....	25.00	to 40.00	35.00	to 50.00	35.00	to 50.00
" " & Spreng. (100 Bchs.).....	25.00	to 35.00	15.00	to 25.00	15.00	to 50.00

The market is well supplied in every seasonable. During last week the daily increase in the size of the receipts was large and served to make the market. The aggregate demand is as large as it was but does not seem as active, owing no doubt to more than ample supply. Roses and carnations are moving fairly well. Easter and rubrum lilies and callas are not very active although of a high quality. Sweet peas sell pretty well, but receipts are so large that only bottom prices are realized. Smaller bulb-

ous stock is in a good supply but moves rather slowly. The same is true of lily of the valley and orchids.

The situation in the NEW YORK wholesale flower trade of this city is about as it was last week, "only more so." Indeed, the business interests are simply "snowed under" by the big flower show up-town and all seem to have accepted the inevitable slump as a sort of interlude which will continue, at least, until the Easter rush starts—that is, if there is to be any Easter

(Continued on page

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Choice Cut Flowers,

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Call and inspect the Best Establishment
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CONSIGNMENTS SOLICITED

PHONE { 608 } MADISON SQ., NEW YORK
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Consignments Solicited

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55 and 57 West 26th St.
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Shipping orders receive prompt attention.

THE KERVAN COMPANY

Ferns, Mosses, Wild Smilax, Galax,
Leucothoe, Palmetto, Cycas, both fresh
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Laurel, Hemlock, all Decorating Evergreens.

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WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

M. C. FORD

121 West 28th St., NEW YORK

FINE ROSES, FANCY CARNATIONS

A Full Line of ALL CUT FLOWERS.
Telephone, 3879 or 3871 Madison Square

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Successor to JOHN I. RAYNOR

Wholesale Commission Florist SELLING AGENT FOR
LARGEST GROWERS

A full line of Choice Cut Flower Stock for all purposes.
The HOME OF THE LILY by the 100, 1000 or 10,000.

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Prices Right. Consignments Solicited. Telephone Connection

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THE HIGHEST GRADE OF VALLEY ALWAYS
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WHOLESALE FLORISTS, 34 West 28th St., New York

Telephones { 1864 } Madison Square
1865

CONSIGNMENTS SOLICITED

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Mar. 13 1915		First Half of Week beginning Mar. 15 1915	
	15.00	to 30.00	15.00	to 30.00
American Beauty, Special	12.00	to 15.00	12.00	to 15.00
" " Fancy and Extra	3.00	to 10.00	2.00	to 8.00
" " No. 1	5.00	to 6.00	5.00	to 6.00
Killarney, Richmond, Extra	1.00	to 3.00	1.00	to 3.00
" " Ordinary	5.00	to 6.00	5.00	to 6.00
Hillingdon, Ward, Sunburst, Extra	1.00	to 3.00	1.00	to 3.00
" " Ordinary	4.00	to 6.00	5.00	to 6.00
Maryland, Radiance, Taft, Extra	1.00	to 3.00	1.00	to 3.00
" " Ordinary	4.00	to 20.00	4.00	to 20.00
Russell, Hadley, Ophelia, Mock	2.00	to 2.50	2.00	to 2.50
Carnations, Fancy	1.00	to 1.50	1.00	to 1.50
" " Ordinary				

Tel 167 and 4468 Madison Sq. Established 1887 Open 6 a. m. daily

"OLD AND RELIABLE," YET ALWAYS PROGRESSIVE

J. K. ALLEN

Will remove as soon as alterations are completed to a more spacious and modern equipped store at 118 West 28th Street. In the meantime send your Flower Consignments to 106 WEST 28TH ST., NEW YORK CITY.

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CHOICE CUT FLOWERS

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Telephone—3532-3533 Madison Square

Frank H. Traendly

Charles Schenck

TRAENDLY & SCHENCK

Wholesale Florists

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Telephones: 798 and 799 Madison Square

Consignments Solicited

GUTTMAN & RAYNOR, Inc.

A. J. GUTTMAN, President.

Wholesale Florists

101 W. 28th St., NEW YORK

We have 20 years' experience behind us.
Telephone, Madison Square 896 and 897.



Flower Market Reports

(Continued from page 399)

rush! Crops are coming in heavily under the impetus of long sunny days and moderate temperature and much of it must be sold at greater or less sacrifice. Demand by the retail stores is very light and if it were not for the street vendors and other floating distributors the situation would be vastly more embarrassing for the growers.

There was a slight improvement in the cut flower market here last week but nothing to brag about. Conditions still remain far from what they ought to be to make it worth while for the grower to stay in business. The bright weather experienced was the main factor in the slight betterment. This was especially the case with the clean-up on Friday and Saturday. Not nearly so much went to the dump although prices were almost at the vanishing point. The rose market was abundantly supplied—the sunny days being just what the rose likes. Carnations a little off crop but quite enough for the demand. The two Wards, Matchless, Gloriosa, Pink Delight and Enchantress Supreme are the leaders at present. St. Patrick sent up the price of white carnations for a few days but the influence of the saint otherwise was not appreciable on the market. Sweet peas are very plentiful but the sale is good too. It is certainly astounding to see the immense quantities being used now compared with a few years ago. Violets moved a little better but that isn't saying much. The price is still far too low and they are a heartbreak to the producer.

St. Patrick's Day caused somewhat of a break in the quiet of Lent ("Praise be to Allah," irreverently ejaculated a retailer evidently dissatisfied with his spoils for the season). Mainly in demand were cunning little pots of shamrock, together with carnations and sweet peas so vividly dyed that their reflection alone was enough to turn a Burbank green with envy. Conditions promise favorable for the Easter trade, the wholesale firms "cleaning up right along," with prices proportionately fair. Recent weather conditions have been favorable for stock, as regards both quantity and quality. In addition to the bulb plants, which now go without saying, heather and roses, especially baby rambles, are reported particularly fine. Notwithstanding adverse foreign conditions and attendant prospects of nothing doing, the town has been flooded with commercial Hollanders and Belgians of unpronounceable and unspellable names, who report more azalias, rhododendrons, palms, evergreens and bay trees than ever. Apropos of this condition, it is interesting to note that one of these Belgians, although overflowing with bitterness for Germany, was fair enough to admit that the enemy had left the greenhouses and lands of Belgium unmolested. Also from Germany has come an unusually large importation of baskets, all in good shape, to the McCallum Company. Reports of selling conditions vary in the Allegheny and city market

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Mar. 13 1915		First Half of Week beginning Mar. 15 1915	
	to	to	to	to
Cattleyas.....	10.00	to 25.00	10.00	to 25.00
Lilies, Longiflorum.....	3.00	to 6.00	3.00	to 6.00
Rubrum.....	1.00	to 5.00	1.00	to 5.00
Lily of the Valley.....	.75	to 2.00	1.00	to 2.00
Daisies.....	1.00	to 2.00	1.00	to 2.00
Violets.....	.10	to .20	.10	to .20
Snapdragon.....	4.00	to 6.00	4.00	to 6.00
Narcissus, Paper White.....	1.00	to 1.50	1.00	to 1.50
Freesias.....	1.00	to 2.00	1.00	to 2.00
Daffodils.....	1.00	to 2.00	1.00	to 2.00
Tulips.....	1.00	to 2.00	1.00	to 2.00
Sweet Peas.....	.25	to 1.00	.25	to 1.00
Corn Flower.....	.....	to 1.00	.....	to 1.00
Gardenias.....	3.00	to 12.00	3.00	to 12.00
Adiantum.....	.50	to .75	.50	to .75
Smilax.....	6.00	to 10.00	6.00	to 10.00
Asparagus Plumosus, strings (per 100).....	35.00	to 50.00	25.00	to 50.00
& Spreu (100 bunches).....	10.00	to 25.00	10.00	to 25.00

proper. While one reports his sales as one-third better since the holidays (which "were bad"), than during the same time last year, another nearby, discouragingly says, "not making expenses."

SAN FRANCISCO

The flower trade is moderately active this week, but conditions are not satisfactory, either to growers or retailers. The fashion show at the department stores has taken a good many flowers, both cut and potted stock being used rather extensively in store decorations, while a good many people are attracted to the stores by new offerings and exceptionally fine displays. The small trade from strangers in town, however, is largely taken by street vendors, who are handling a larger variety of flowers than usual. Practically all seasonable flowers are offered in great abundance, and as the average quality is good, it takes something better than usual to bring satisfactory prices. The market is glutted with short and ordinary stock of all descriptions, good American Beauty roses being about the only popular flowers at all scarce. The cut of all other roses is very large, and bulb stock of all sorts is cheap, tulips now sharing the general weakness. Anemones are still something of a novelty and clean up fairly well, and some very nice lots of ranunculus have found ready sale. A good many peonies have come in this week, and some forced amaryllis has appeared. The orchid situation shows little change. Gardenias are still fine, but only the best offerings receive much attention. Rhododendrons are coming out nicely, and will probably be quite plentiful for Easter. There is a good supply of primroses, with only moderate demand. There is no longer any great call for violets, which are freely offered.

ST. LOUIS

The market is rather dull with plenty of stock for any size order and at rather low prices. White carnations have taken a rise this Monday going up to 4 cents for the best. The demand was larger, these being wanted for coloring for St. Patrick's Day. Roses are in plenty and bulb stock is a glut since the southern daffodils are coming up by the ten thousands daily. Sweet peas sell well, also violets.

WASHINGTON

Business last week showed some little improvement. There is plenty of stock and at reasonable prices. The violet and sweet pea

supply is far in excess of the demand. Roses and carnations are more plentiful than they have been. Snapdragon is being produced in larger quantities and better qualities. Pink seems to be the most popular and meets with a fairly ready sale amongst the better class of trade. White and yellow is also to be had. Practically all of the Easter flowers now have representation in the market. There are quantities of tulips, jonquils, narcissi, at almost the buyer's own price, Easter lilies, both cut and potted, and fine first shipments of spirea and rambler roses. There are fully enough Cattleyas to meet all demands.

Stoughton, Mass. — F. E. Swett & Son, florists, have dissolved partnership, Raymond M. Swett wishing to devote his whole time to the growing and selling of gladiolus bulbs of high quality. For this purpose he has secured forty acres of ideal bulb soil and will plant it this spring.

STUART H. MILLER

WHOLESALE FLORIST

Opened for business on
Monday, March 1st, at

1617 Ranstead Street, PHILADELPHIA

Where he hopes to see all his old friends
and many new ones.

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Florists' Requisites

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Manufacturers of all Kinds of

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PUBLIC ACCOUNTANT AND AUDITOR

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BOOKS BALANCED AND ADJUSTED
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Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words

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Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dymart, 40 State St., Boston.
For page see List of Advertisers.

AMPELOPSIS

Ampelopsis Veltchii—3-yr., extra strong roots and tops, 3 to 4 ft., \$8.00 per 100; 2-yr., strong, 2 to 3 ft., \$4.00 per 100, \$35.00 per 1000; 2-yr., good, 18 to 24 in., 50 by parcel post, \$2.00; \$3.00 per 100; \$25.00 per 1000, by express. All packed to carry safely without extra charge. CHAS. BLACK, Hightstown, N. J.

APHINE

Aphine Mfg. Co., Madison, N. J.
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APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.
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Elliott Auction Co., New York City.
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August Rolker & Sons, New York.
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BAY TREES—Standard and Pyramids. All sizes. Price List on demand. JULIUS ROEHRS CO., Rutherford, N. J.

BEDDING PLANTS

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BEGONIAS

Julius Roehrs Company, Rutherford, N. J.
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Henry A. Dreer, Philadelphia, Pa.

BEGONIA GLORY OF CINCINNATI

\$18.00 per 100; \$150.00 per 1000

BEGONIA MELIOR

\$25.00 per 100; \$200.00 per 1000

Strong young plants from leaf cuttings, May and June delivery. Secure your stock from the originators; quality is our aim.

J. A. PETERSON & SONS

Westwood, Cincinnati, Ohio

BOILERS

Kroeschell Bros. Co., Chicago.
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King Construction Co., North Tonawanda, N. Y.

"King Ideal" Boiler.

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Hitchings & Co., New York City.

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Lord & Burnham Co., New York City.

BOUQUET HOLDERS

M. D. Jones Co., Boston, Mass.
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BOXES—CUT FLOWER FOLDING

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made. Write for list. HOLTON & HUNKEL CO., Milwaukee, Wis.

BOX TREES

BOX TREES—Standards, Pyramids and Bush. In various sizes. Price List on demand. JULIUS ROEHRS CO., Rutherford, N. J.

BULBS AND TUBERS

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R. & J. Farquhar & Co., Boston, Mass.
Tuberous Rooted Begonias.

Fottler, Fiske, Rawson Co., Boston, Mass.
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C. KEUR & SONS, HILLEGOM, Holland.
Bulbs of all descriptions. Write for prices.
NEW YORK Branch, 8-10 Bridge St.

BUTTERFLIES

New England Entomological Co., Jamaica Plain, Mass.
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CALADIUMS

Henry A. Dreer, Philadelphia, Pa.

CALCEOLARIA

A. M. Davenport, Watertown, Mass.
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CANNAS

Canna Specialists.
Send for Canna book.
THE CONARD & JONES COMPANY,
West Grove, Pa.

CARNATIONS

Cottage Gardens Co., Inc., Queens, N. Y.
Carnation Matchless a Great Success.
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Peter Fisher, Ells, Mass.
New Carnation Alice.

F. Dorner & Sons Co., Lafayette, Ind.
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Now ready. Good clean stock Enchantress, Rose Pink and White Enchantress; rooted cuttings, \$3.00 per 100, \$25.00 per 1,000. WM. DOEL, Pascoag, R. I.

CARNATION STAPLES

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 1000 for 35c.; 3000 for \$1.00 post paid. I. L. PILLSBURY, Galesburg, Ill.

Supreme Carnation Staples, for repairing split carnations, 35c. per 1000; 3000 for \$1.00. F. W. WAITE, 85 Belmont Ave., Springfield, Mass.

CHRYSANTHEMUMS

Poehlmann Bros. Co., Morton Grove, Ill.
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Wood Bros., Fishkill, N. Y.
Chrysanthemums Rooted Cuttings.
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Edwin A. Seldewitz, best late pink, 2 1/2-in. pots, \$7.00 per 100; rooted cuttings, \$5.00 per 100; Yellow Sport of Mrs. Razer, \$15.00 per 100. HENRY EICHHOLZ, Waynesboro, Pa.

THE BEST 1915 NOVELTIES.

The Cream of 1914 Introductions.

The most popular Commercial and Exhibition kinds; also complete line of Pompons, Singles and Anemones. Trade list on application. ELMER D. SMITH & CO., Adrian, Mich.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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CYCLAMENS

Thomas Roland, Nahant, Mass.
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CYCLAMEN GIGANTEUM

For several years we have been working for the improvement of the Cyclamen; we offer for March and April delivery, young thrifty plants from 2 in. pots, giant white, white-pink eye, giant pink, dark red, brilliant red, at \$5.00 per 100; Glory of Wandsbek (brilliant salmon) at \$8.00 per 100. These are plants produced from our own improved strain.

J. A. PETERSON & SONS
Westwood, Cincinnati, Ohio

DAHLIAS

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange. GEO. H. WALKER, Dahlia Expert, North Dighton, Mass.

DAHLIAS.

Send for Wholesale List of whole clumps and separate stock; 40,000 clumps for sale. Northboro Dahlia and Gladiolus Gardens. J. L. MOORE, Prop., Northboro, Mass.

NEW PAEONY DAHLIA

John Wanamaker, Newest, Handsomest, Best. New color, new form and new habit of growth. Big stock of best cut-flower varieties. Send list of wants to PEACOCK DAHLIA FARMS, Berlin, N. J.

ALEXANDER'S QUALITY DAHLIAS are the best on the market; 800,000 Clumps to offer, at rock bottom prices, in full field clumps, and strong divisions. If you are looking for stock for your 1915 Catalogue, or for forcing, send at once for free catalogue. J. K. ALEXANDER, "The Dahlia King," East Bridgewater, Mass.

DECORATIVE PLANTS

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N. J.

Well-Rotted Horse Manure.
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FUCHSIAS

Fuchsias—Black Prince, Speciosa, double
purple and white, Rooted Cuttings, \$1.00
per 100; 2½-in., \$2.00 per 100.
W. J. BARNETT, R. D. 67, Sharon, Pa.

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Aphine Mfg. Co., Madison, N. J.
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Michigan Cut Flower Co., Detroit, Mich.
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Frank E. Cole, Mgr., Beverly Farms, Mass.
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J. E. Felthousen, Schenectady, N. Y.
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Madame Sallerioi, 2-inch, \$2.00 per 100.
W.M. DOEL, Pascoag, R. I.

Geraniums, 3-inch strong plants, ready
to pot up. S. A. Nutt, \$4 per 100. Cash.
CHAS. H. GREEN, Spencer, Mass.

GLADIOLUS

John Lewis Childs, Flowerfield, L. I., N. Y.
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Rowehl & Granz, Hicksville, L. I., N. Y.
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Gladioli, first size, true to name, per 1000,
Mrs. F. King, Princeps, Hollandia, \$10.00;
Augusta, Hulot, Halley, \$12.00; Panama,
\$30.00; Pendleton, \$15.00 per 100; Niagara,
\$4.00 per 100; Europa, \$7.25 per 100; War,
\$9.75 per 100; Blue Jay, \$11.50 per 100;
also planting stock. Send for list. RAY-
MOND W. SWETT, Stoughton, Mass.

Mrs. Watt, the gladioli of quality; bril-
liant wine—one solid color, the same shade
as Hadley rose; large flower, strong spike,
robust grower; first size bulbs, \$3.50 per
100. Also planting stock, Tacoma, Klondyke,
Augusta, Princeps, Mrs. F. King,
Chicago White, Niagara, Mrs. F. Pendle-
ton, Golden King and Victory. Write for
special closing out prices. HOMER F.
CHASE, Lawrence, Mass.

GLASS

Sharp, Partridge & Co., Chicago.
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Greenhouse glass, lowest prices. JOHN-
STON GLASS CO., Hartford City, Ind.

GLASS CUTTERS

Smith & Hemenway Co., New York City.
Red Devil Glass Cutter.
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Metropolitan Material Co., Brooklyn, N. Y.
Iron Gutters.

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HAIL INSURANCE

Florists' Hail Asso. of America.
J. G. Esler, Saddle River, N. J.

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Michigan Cut Flower Exchange, Detroit,
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The Kervan Co., New York.

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P. Ouwkerk, Hoboken, N. J.
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Palisades Nurseries, Sparkill, N. Y.
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HARDWOOD ASHES

Hardwood Ashes for sale. GEO. L.
MUNROE & SONS, Oswego, N. Y.

HEATING APPARATUS

Kroeschell Bros. Co., Chicago.
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Lord & Burnham Co., New York City.

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H. A. Dreer, Philadelphia, Pa.

HYDRANGEAS

Henry A. Dreer, Philadelphia, Pa.
New French Hydrangeas.

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Aphine and Fungine.

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Plantlife.
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Kentucky Tobacco Product Co., Louis-
ville, Ky.
"Nico-Fume."

Roman J. Irwin, New York City.
Nico Fume Liquid and Paper.
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IVY

English Ivy Rooted Cuttings, 75c. per 100,
post paid. From soil 20 to 30 in., \$3.00.
From pots 12 to 15 in., \$4.00. CHAS. FROST,
Kenilworth, N. J.

LEMON OIL

Lemon Oil Co., Baltimore, Md.
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In writing to Advertisers kindly mention Horticulture

LILY RUBES

Chas. Schwake & Co., New York City.
Horticulturists, Importers and Exporters.
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R. M. Ward & Co., New York, N. Y.
Japanese Lily Plants of Superior Quality.
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Corp. of Chas. F. Meyer, New York City
Meyers' 1. Brand Giganteums.
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Loechner & Co., New York City.
Lily of the Valley Pips.
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Lily of the Valley plants, \$5.00 per 1000;
clumps, \$8.00 per 100; Polly Rose, stock
plants, \$2.00 per 100. Dahlias of all varie-
ties. Write, HENRY SCHAUMBERG,
Hammonden, N. J.

MASTICA

F. O. Pierce Co., New York City.
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MODERN IRRIGATION

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Framingham Nurseries, Framingham, Mass.
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August Rolker & Sons, New York City.
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Choicest lawn shrubs, covering plants and
border perennials. Large stock. Prices
low. Any quantity. Send for list.

WYOMANOCK NURSERIES,
R. 7, Lebanon Springs, N. Y.

NUT GROWING.

The Nut-Grower, Waycross, Ga.

ONION SETS

Leonard Seed Co., Chicago, Ill.
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Schilder Bros., Chillicothe, O.
Onion Seed—Onion Sets.
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Onion Sets (32 pounds to the bushel):
Crates, 1 bu., 15c.; 2 bu., 25c.; 2 bu. sacks,
10c. We reclean, hand-pick and guarantee
sound all our Onion Sets.

	1/2 Pk.	Pk.	Bu.
Yellow Danvers Sets	\$8.50	\$50	\$1.75
White Siberian Skin Sets	30	55	1.85
Red Wethersfield	50	50	1.75

J. BOLGIANO & SON,
Baltimore, Md.

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PALMS, ETC.

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PEONIES

Peonies. The world's greatest collection.
1200 sorts. Send for list. C. BETSCHER,
Canal Dover, O.

PECKY CYPRESS BENCHES

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Seele's Tieless Plant Stakes and Trel-
lises. H. D. SEELE & SONS, Elkhart, Ind.

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THE CONARD & JONES COMPANY,
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Kelway's Celebrated English Strain Garden
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Geo. N. Barrie, Brookline, Mass.
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SNAPDRAGONS

Thoroughly Tested Strains.

Silver Pink, Golden Fleece, Pure white (winter bloomer). Rooted cuttings, \$2.00 per 100; potted plants, 2-inch, \$4.00 per 100.

F. SOUTHWORTH,

25 Hudson St., Lynn, Mass.

SPHAGNUM MOSS

Live Sphagnum moss, orchid pent and orchid baskets always on hand. **LAGER & HURRELL**, Summit, N. J.

SPIRAEAS

W. E. Marshall & Co., New York City.
Spiraeas for Easter Forcing.
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STOVE PLANTS

Orchids—Largest stock in the country—Stove plants and Crotons, finest collection. **JULIUS ROEHRS CO.**, Rutherford, N. J.

STRAWBERRY PLANTS

Strawberry Plants, twenty varieties, at \$2.50 per 1000. Catalogue free. **BASIL PERRY**, Georgetown, Delaware.

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"JOHN BAER" TOMATO

J. Bolgiano & Son, Baltimore, Md.
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Tritoma Pfitzerl, strong crowns. Write for prices. **THOMAS J. OBERLIN**, Sinking Spring, Pa.

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WHOLESALE FLORISTS

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Baltimore

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Boston

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The S. S. Pennock-Meehan Co., 1216 H St., N. W.
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HELP WANTED**FLORISTS WANTED**

Must be experienced and with written references. Apply at C. C. Trepel's Cut Flower Department, care Bloomingdale Bros., 59th St. and 3rd Ave., New York City, between 3 and 5 o'clock P. M.

FOR SALE**FOR SALE**

5 1/4 acres of land, 4 greenhouses, about 25,000 ft. of glass; boiler house 35x50 concrete blocks; cellar under all. Return tubular boiler brick set; will heat 40,000 ft. of glass. Good supply of water. Few feet from R. R. siding and about 30 miles from N. Y. City. Plenty of young stock. Six thousand dollars required, rest on easy terms. Renters need not apply.

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FOR SALE—Fresh from factory, new, 10x12, 16x18, 16x24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money. **PAN-SHELSKY BROS., INC.**, 215-217 Have-meyer St., Brooklyn, N. Y.

**A Magnificent Volume on Horticulture**

Originally published at \$2.50 **\$1.50**

KIRKEGAARD'S "Trees, Shrubs, Vines and Herbaceous Perennials": a book which bids fair to become a classic in its field.

With its 410 pages packed full of garden lore, its 60 beautiful full-page sepia photos and its comprehensive planting list it is a genuine contribution to the literature of Horticulture.

An Ideal Gift

The edition is almost exhausted. We've picked up a limited quantity which we can let our readers have for \$1.50. Send cheque or money order; we'll forward the book postpaid.

Horticulture

147 Summer Street
Boston, Mass.

In writing to Advertisers kindly mention Horticulture

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ASPARAGUS PLUMOSUS NANUS SEED.

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BIG TREES.

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VALUABLE NEW ROSES.

F. R. Pierson, Tarrytown, N. Y.
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THE PRACTICAL BOOK OF Outdoor Rose Growing

FOR THE HOME GARDEN

by

GEORGE C. THOMAS, JR.

Elaborately Illustrated with 96 Perfect Reproductions in Full Color of All Varieties of Roses, and a Few Half-tone Plates. Octavo, Handsome Cloth Binding, in a Slip Case. \$1.00 net. Postage Extra.

We have sold a number of copies of this sterling book. One purchaser writes us follows:

HORTICULTURE, Boston, Mass.

Dear Sir:—Some time ago we ordered a copy of Thomas' Book on Roses. We promised to send you postage as soon as we learned the amount. The book was so good that we forgot all about postage until today. Please forgive our lapse of memory.

We loaned it to a friend and he likes it so well we're afraid that we will have to buy another.

Respectfully,

New York.

A. R.

Every rose grower should possess a copy of this book.

IT IS THE REAL THING

Order From

Horticulture Publishing Co.

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BAILEY'S NEW STANDARD Cyclopedia of Horticulture

Six large quarto volumes. More than 3,600 pages. 24 exquisite full-page color plates. 96 full-page sepia halftones and more than 4,000 text engravings. 500 collaborators. Approximately 4,000 genera, 15,000 species and 40,000 plant names.

The new Standard Cyclopedia of Horticulture has been freshly written in the light of the most recent research and experience. It is not merely an ordinary revision or corrected edition of the old Cyclopedia, but it is a new work from start to finish with enlarged boundaries geographically and practically; it supersedes and displaces all previous editions or reprints of every kind whatsoever. It is both an Encyclopedia and a Manual, for with the aid of its Synopsis and Key, amateur and professional alike may quickly identify any plant, shrub or fruit contained within the set, and then receive expert instructions for its cultivation. Price \$6.00 per volume. Two volumes have now been issued and the others will follow in succession. Order from

HORTICULTURE PUBLISHING CO.

11 Hamilton Place, Boston, Mass.

When writing to advertisers kindly mention **HORTICULTURE**.

A Word to the Florist Trade Buyers

In the advertising pages of this number you will see the Easter and Spring Trade Offerings of the Leading Wholesale Dealers. These firms are in business to supply you and are worthy of the support which they ask for in these announcements. The special stock they offer is the best ever placed before the trade. Read what they have to say and then get busy with them as to prices and quality.

**DO NOT DELAY A DAY NOW IN
PLACING YOUR ORDERS**

Est. 1765

FOR "POT LUCK" USE

Inc. 1904

Pot Makers for a
Century and a Half**HEWS STANDARD POTS**World's Largest
Manufacturers

AND RED EARTHENWARE SPECIALTIES

Write for Catalogue
and Discounts**A. H. HEWS & CO., Inc., Cambridge, Mass.**Warehouses:
CAMBRIDGE, MASS.
NEW YORK, N. Y.**DREER'S "Riverton Special" Plant Tub**

No.	Diam.	Ea.	Doz.	100
10	20 in.	\$1.45	\$18.00	\$130.00
20	18 in.	1.30	14.00	115.00
30	16 in.	1.00	11.25	92.00
40	14 in.	.65	7.00	56.00
50	12 in.	.45	5.00	40.00
60	10 in.	.38	4.00	32.00
70	8 in.	.30	3.50	28.00

Manufactured for us exclusively. The best tub ever introduced. The neatest, lightest and cheapest. Painted green, with electric welded hoops. The four largest sizes have drop handles.

HENRY A. DREER, Seeds, Plants, Bulbs, and Supplies, 714 Chestnut Street, Philadelphia, Pa.**GLASS**Greenhouse Material
Hot Bed Sashes

Our prices can be had by mail, and it will pay you to get them. We carry the largest stock of Specially Selected Glass in Greater New York and can supply any quantity from a box to a car load on a one day notice, and at Rock Bottom Prices.

PARSHELSKY BROS. Inc.
215-217 Havemeyer St., Brooklyn, N. Y.

MASTICA
FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

**Bouquet Holders****GLASS**

With Metal Holder

Send for new Catalogue

THE M. D. JONES CO.

71 Portland St., Boston

**GREENHOUSES BUILDING OR
CONTEMPLATED.**

Fontana, Wis.—M. P. Quinn, range of houses.

Baltimore, Md.—J. J. Cummings, three houses.

Parkersburg, W. Va.—Mrs. C. C. Miller, one house.

North Worcester, Mass.—W. N. Estabrook, house 30 x 150.

Brookside, N. J.—Ernest Combs, Mt. Freedom road, one house.

Fall River, Mass.—Sea Land Farm, Warren's Point, one house.

New Egypt, N. J.—Edward Larsen and Dr. P. S. Goble, one house.

De Kalb, Ill.—Odorosa Nurseries, East Lincoln Highway, range of houses.

Crystal Lake, Ill.—Frank Schramm, two Foley houses each 79 x 250; service building 30 x 100.

1000 READY PACKED CRATES**STANDARD FLOWER POTS AND BULB PANS**

can be shipped at an hour's notice. Price

per crate:				
2000 1 1/4 in.	@ \$6.00	500 4 in.	@ \$4.50	
1500 2 "	" 4.88	456 4 1/2 "	" 6.24	
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HILFINGER BROS., Pottery, Fort Edward, N. Y.

August Roiker & Sons, 51 Barclay St., N. Y. City, Agents

OUR SPECIALTY—Long Distance and Trade Export



The best PAPER POT for shipping purposes. Sizes from 2 in. to 6 in.

Ask your dealer for them. Samples free.

E. ALLAN PEIRCE.
401 Oaks St.,
Waltham, Mass.**STANDARD FLOWER POTS**

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

- 28th & M Sts. Washington, D. C.

RED CEDAR

Write for Catalogue.

**Tree Tubs and Brass Hoop
Jardinieres**

The extension stave foot prevents the bottom from rotting. No chance for water to collect and rot the floor.

**The American Woodenware Mfg.
Company**
Toledo, Ohio, U. S. A.**CAMPBELL****IRRIGATION**

We lead the world in overhead irrigation of all kinds. Send for revised edition of our booklet "Modern Irrigation," and literature describing our circular irrigation sprinklers, the Campbell Automatic and Campbell Turbo-Irrigator, and the new Automatic Oscillator for overhead pipes.

J. P. Campbell
240 Union Terminal Building, Jacksonville, Fla.**THE FLORISTS' HAIL ASSOCIATION OF
AMERICA**, insurer of 39,000,000 sq. ft. of glass

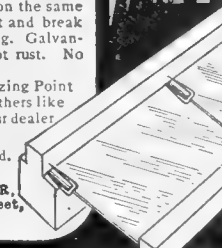
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John G. Esler, Sec'y Saddle River, N. J.**Dreer's Peerless
Glazing Points**

For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts.

The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid.
Samples free.
HENRY A. DREER,
714 Chestnut Street,
Philadelphia.FULL
SIZE
No 2**SKINNER
SYSTEM**
OF IRRIGATION.for Farm, Garden,
Lawn and Greenhouse

Ask for Information

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BROOKLINE, - - MASS.**PATENTS**Trademarks and
CopyrightsSend your business direct to Washington.
Saves time and insures better service.
Personal attention guaranteed.
Thirty years active service.**SIGGERS & SIGGERS**

PATENT LAWYERS

Box 9, National Union Building
Washington, D. C.**GET OUR CATALOGUE**
On Ventilating Apparatus and Green-
house Fittings.
ADVANCE CO., RICHMOND, IND.

ILLINOIS EXPERIMENTS ON FERTILIZERS FOR FLORICULTURAL CROPS.

The results of the experiments of the Illinois Experiment Station, conducted by the Illinois Experiment Station, University of Illinois, Urbana, Ill., contain the results of experiments with the use of dried blood, acid phosphate, and potassium sulfate in carnation growing which have appeared from time to time in previous reports in the trade papers. The most important points are, briefly, that dried blood or ammonium sulfate can be used with benefit on soils naturally moderately well supplied with organic matter; that no benefit has so far been found from the use of potassium sulfate on a brown silt loam soil; and that an increase in production was noted when acid phosphate was supplied in addition to dried blood, particularly with the variety Enchantress, less so with White Perfection. Comparative experiments, also, have shown that these commercial fertilizers may be used in moderation with the assurance of producing a crop as large and of as good a quality as with manure exclusively.

The carnation experiments during the present as well as last year have been ones on a more extensive scale in regard to the value of acid phosphate, in this experiment as a supplement to sulfate of ammonia. The varieties White Perfection and Rosette have been used and with these varieties, no increase has been found. This contradiction of the experiment of 1912-13 (Bul. 176) may be due to the use of sulfate of ammonia in place of dried blood used that year or to the fact that the varieties used are not responsive to its use as Enchantress is. It looks as if it were necessary in this connection to study closely the difference in response to fertilizers of the variety type represented by Enchantress and Beacon, which stood rather profusely and of the type represented by Rosette and White Perfection.

Continued experiments in the overfeeding of carnations have shown that the danger from overfeeding with commercial fertilizers can be roughly predicted from a knowledge of their solubility in water. For instance, sulfate of ammonia (of which about 6 pounds dissolve in a gallon of water) is markedly injurious while acid phosphate (of which 1-6 pound dissolves in a gallon of water) shows no, or almost no, injury in very heavy applications. The injury from equal applications of potassium sulfate, of which 2-3 pound dissolves in a gallon is less than that from ammonium sulphate but is still severe enough if large amounts are used to cause complete ruin of the crop.

A careful comparison of weather conditions daily with daily production records has given data that clearly establishes the relation between periods of cloudy weather and splitting in carnations. The long period of continued cloudy weather of the fall of 1914 (about three weeks) was followed, for instance, by an increase in the percentage of splits up to as much as 25 per cent. The increased splitting is not coincident with the period of cloudy weather, however, but follows it by a week or two. The records showing how these conclusions

South American Sheep and Goat Manure



We have just landed the Third 1000 Ton Cargo in New England and it is certainly as good or even better than the last. If South American Goat and Sheep Manure had not come up to the expectations of the growers who bought the last, or if we could not guarantee to furnish the same high grade article, which has built up for itself and for us such a splendid reputation from the very first start, we would never have had to send a ship after another 1000 tons. That's plain. We have an abundant supply for New England and it is our aim to keep this right up to the high standard you know it to be. It is ground fine and is clean, to handle, makes an ideal liquid manure, which is safe. **WE GUARANTEE OUR S. A. S. & G. M. TO BE ABSOLUTELY PURE.** Spring is near and plants need feeding. For Roses, Carnations, Lilies, Ferns, Palms, or any other plants, our S. A. S. & G. M. will do just what a full meal will do for a hungry man.

Write for Sample and Price, Today.

SANDERSON FERTILIZER & CHEMICAL CO. Sole N. E. Distributors **NEW HAVEN, CONN.**



NIKOTEEN For Spraying
APHIS PUNK For Fumigating

ASK YOUR DEALER FOR IT.

NICOTINE MFG. CO. ST. LOUIS, MO.

were obtained will be published in detail.

Excessively high applications of acid phosphate to first year roses have caused slight injury, more marked with Richmonds than Killarneys. But amounts up to 40 pounds per 100 square feet of bench space, (which is equivalent to 1 pound per cubic foot of soil if a compost is made, or about 9 tons per acre) have given a larger number of flowers than the soil to which none was applied. The need for acid phosphate, is most marked in the latter part of the season, and the increase due to its use is greatest at that time. No benefit from the use of dried blood has been found on the soil at the Experiment Station (a brown silt loam) until the spring of the year after the plants were set in the previous summer. The results seem to show a decrease from its use in fall or winter on fresh soil. In the spring, however, the plants show the nitrogen starvation by yellowing of foliage and increased production follows the use of a nitrogenous fertilizer.

A study is being made in the chemical laboratory of the value of liquid manure made (1) from fresh droppings, (2) from barnyard manure, and (3) from shredded manure. The relative value of steaming and of fermentation in preparing it also are being worked out. This is a practical problem, the results of which can be of immediate use to the florist. In connection with this and other work, a study is being made of the variation of temperature and humidity in greenhouses and their relation to growth as measured by the growth records of roses. The results obtained on these subjects up to the present are interesting but hardly complete enough for publication. In the latter study, the Experiment Station has been assisted by several florists and opportunity is taken at this time to acknowledge their kind co-operation in this difficult problem.

F. W. MUNCIE.

LEMON OIL CO'S
STANDARD
SOLUBLE IN WATER
NO ODOR INSECTICIDE NO POISON

Guaranteed under the Insecticide Act, 1910. Series No. 321

Save your plants and trees. Just the thing for Greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrip, Red Spider, Black and Green Fly, Mites, Ants, Insects on Rosebushes, Carnations, etc., without injury to plants and without odor. Used according to directions our standard Insecticide will prevent ravages on your crops by insects.

Non-poisonous and harmless to user and plants. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pests. Excellent as a wash for dogs and other animals. Relieves mange.

Effective where others fail.

1/2 Pint...25c; Pint...40c; Quart...75c
1/2 Gal., \$1.25; Gal., \$2.00; 5 Gal. Can., \$9
10 Gal. Can...\$17.50

Dilute with water 30 to 50 parts.

For Sale by Seedsmen and Florists' Supply Houses
If you cannot obtain this from your supply house write us direct.

LEMON OIL COMPANY, Dept. K

420 W. Lexington St., Baltimore, Md.

Directions on every package

Aetna Brand Tankage Fertilizer

Is the best balanced Fertilizer on the market, and is giving satisfactory results wherever used.

Farmers and Florists Fertilizer Company

809 Exchange Ave., Room 5, U. S. Yards,
CHICAGO, ILL.
Telephone—Drover 1932.

Plantlife Insecticide

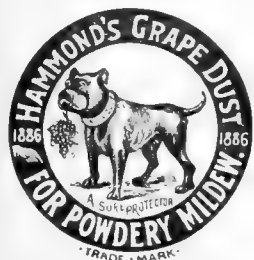
A tobacco preparation used by the best growers for dusting and spraying.

Write for book of testimonials and prices.

THE PLANTLIFE CO.

251 East 66th St., New York, N.Y.

Sold by Seed Dealers and Used in New England 35 Years



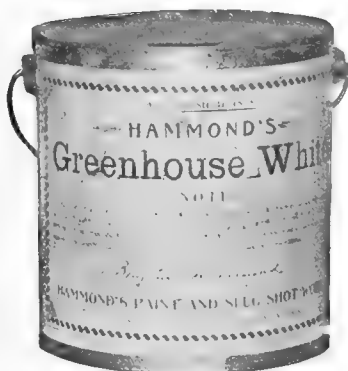
"HAMMOND'S GRAPE DUST"

Used effectively to kill Powdery
Mildew on Roses and other Plants.

USED BY THE FLORISTS FOR OVER 25 SUCCESSIVE YEARS

Sold by the Seed Dealers.
For pamphlet on Bugs and Blights address

HAMMOND'S PAINT & SLUG SHOT WORKS
BEACON, N. Y.



Hammond's insecticides used by Florists and Gardeners for generations, and before this our paint was used on Hot Houses because it did not wash off. Twemlow's Putty is unexcelled.

Send for Pamphlets or information regarding your needs.

BENJAMIN HAMMOND, Beacon, N. Y., U. S. A.

OUR PRODUCTS SOLD BY
SEED DEALERS

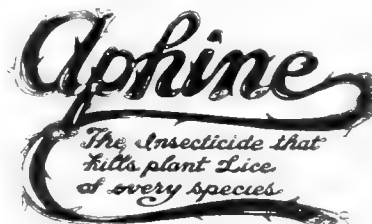
YOU ARE SURE of GOOD RESULTS

If You Use
DIAMOND BRAND COMPOST

WELL-ROTTED HORSE MANURE
Dried—Ground—Odorless

For mulching it cannot be equalled as it is nutritious, immediate, and convenient to handle. Always ready for mixing with soil for potted plants and soil for benches. Largely HUMUS, rich in plant foods and positively free from weed seeds. It also makes a rich liquid manure. Write for Circular "8" and prices.

NEW YORK STABLE MANURE CO
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The Recognized Standard Insecticide.

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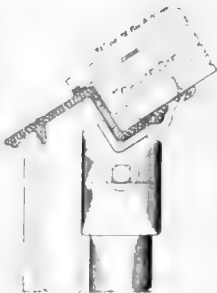
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Vol. XXI
No. 13
MARCH 27
1915

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NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil."—*Pope*.

Cannas

Roots that have been wintered over in a sound condition can now be started on a bench with temperature 60 to 65 degrees. Spread a few inches of sand or dampened moss over the bottom, and in a short time every eye will be distinctly developed and they can then be divided with a sharp knife into as many pieces as show a green growth. For wholesaling and long distance shipment $2\frac{1}{2}$ or 3-inch stock, with a new growth of about five inches in height, is the best, but for a good retail trade it is the 4-inch canna with a firmly held ball of new roots and sturdy top growth that sells fastest and brings the best price. A healthy, fast-growing canna is a moisture-loving plant but one emerging from uncongenial winter quarters, soft of flesh and slow in starting, resents any excess in humidity and soon yields to utter decay if watered too much or too often. Care in this particular, therefore, is necessary until the new growth in shoots and roots is well under way. On all good days syringe them freely and when they become crowded give them a spacing so the light will reach all around them.

Foliage Plants

Take advantage of every bright day to give these plants a good syringing both under and over the foliage. When a strong force of water is directed especially against the underside of the leaves you help to keep the many insects under control. Where plants are infested to any great extent it would be better to take a little time and go over them thorough by sponging with some insecticide such as Aphine or Lemon Oil. When well cleaned up they should be given a repotting and a resetting. When repotting remove as much as possible of the old soil down to the active roots. This old compost is generally clogged with stagnant rotting root fiber and moisture. Provide well enriched soil and be very careful about drainage in each pot or pan as nothing hurts foliage plants as much as poor drainage.

Primulas

A succession of sowings of primula seeds from now on up to the 10th of May will assure their coming along in batches that will flower from the holidays through the winter. Use plenty of rough material in the bottom of the pots or pans to insure perfect drainage. A light open mixture of loam, leaf mold and sand will suit. Sift some of the mixture fine for the top, make level and sow

the seed, but not too thickly; cover very lightly and press over firmly. Give these pans a warm house. Keep covered with glass and shaded until they show signs of coming up, when they should be given a temperature of about 50 degrees and placed well to the glass. When large enough they should be pricked out into flats.

Ground for Carnations

This is such an important crop that effort should be made to have everything right when planting out time arrives. See that the ground has plenty of manure plowed under. When the ground is deficient in plant food you are sure to have a lot of poor plants by housing time. Any good soil will grow carnations, but in every case it will have to be well drained either naturally or artificially before it will produce fine stock. Excellent land for carnations is sod ground that has been broken up last fall. Before planting out time see that it is well pulverized with a smoothing harrow and roller.

Sweet Peas Outside

The soil should be prepared by proper pulverizing. Whether you plow or spade, the deeper this is done the better. Where the land is available it is better to plant sweet peas on a new piece of ground every year. Land that was heavily manured and deeply plowed last fall will make the ideal place. Wood ashes is a decided advantage where the land is of a clayey nature. They can be sown broadcast at the rate of from 30 to 40 bushels per acre. Sow the seed just as soon as the soil dries out sufficiently to be in a workable condition. Make trenches 4 or 5 inches broad and the same in depth, from 3 to 4 feet between the rows. Sow thinly and cover with about an inch of soil. Plants that were started in pots during February can also be planted out when the ground becomes dry enough. To have good sweet peas they should be planted early so that the germination will be slow, followed by good root action while the top growth is almost at a standstill. When the seed is planted firm the ground over each row.

Keep a Diary

Every florist should keep a diary of his operations. This will lead him to know better every year what to do and what not to do—all such things as the sowing of seed, when planting is done, when different plants flower and so on. By jotting down these notes you will pave the way for better success another year.

Next Week:—Decorative Foliage Plants; Gardenias; Mulch for Carnations; Swainsona; Starting Achimenes; Stock Plants.

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What do you think of the management of that exhibition? And those judges—**An inborn propensity** is there any punishment drastic enough to inflict upon them? There is no trait more generally characteristic of the human race than

that of kicking. Almost from the minute of birth, dissatisfaction with the established order of things and a determination to kick up a fuss if we don't have our own way is our common instinct. It is, doubtless, one of nature's provisions for the "survival of the fittest," that we should be prepared to make a struggle, not only for what belongs to us, but for all we can get of what belongs to the other fellow, as well. The mastery of this inborn impulse is the function of civilization and the history of the world thus far would seem to indicate that civilization has yet "a long, long way to go." But we started to talk about the exhibitions. Did you ever undertake that delightful little sinecure of a job—the management of a flower show? Or was the honor of an appointment as a judge at these affairs ever thrust upon you by your admiring and appreciative friends? If so, may be you know something about this subject. "Get me?"

We all know the "bad loser." We don't suppose there was ever a show where the species was not in evidence in one or another of its forms. Unquestionably he has his uses as a corrective influence against hasty or prejudiced decision and as a wholesome, although unpalatable, restraint upon the autocratic spirit of manager and judges, without which they might become too pompous and seek to hold on to their job indefinitely, to the exclusion of their fellows, every one of whom is, in his own mind, of course, fully competent to judge and to manage. But, my dear sir, supposing that we did get a second prize, or possibly no prize at all, when we are fully convinced that we were entitled to first—let us forget it and suppress those outraged feelings and our friends will like us just as well, and perhaps better than if we persist in pulling them to one side to pour into their ears our grievances against the judges. Brace up; things will yet come our way and then we shall have a chance to see our rival who lost and got fussy about it in the same light in which others see us now!

Judges are human—no different in that respect from the rest of us; liable to make some mistakes; prone to defend their decisions, maybe, rather than to admit that they have made a mistake. Perhaps we are not so careful in all cases in selecting them as we should be. In any exhibition, however small, and in increasing proportion according to its size, it is no light responsibility we place on their shoulders. The best are none too good, in any case. There are many considerations to be taken into account in their selection. Personality, relation with and to the people on whose accomplishments they are asked to set their seal of comparative excellence—these are pre-requisites of importance second only to a thorough knowledge of the goods they are to pass upon. The professional judge system which prevails to some extent in other countries has its undoubted advantages as compared with our custom of asking our neighbors and friends to serve us in this capacity, but our communities are too widely scattered and our distances are so great as to make the professional judge plan impractical here at present. Under conditions as we have them we must make the best of our opportunity, bearing in mind that if we are to get the most competent men to serve us in these trying duties we must desist from fault-finding or those who are self-respecting will be very likely to find an excuse for "side-stepping" the honor.

NEW YORK SPRING FLOWER SHOW

This great event has now passed into history and we are happy to say that it far surpassed the most ardent anticipations of its sponsors in the public support and the financial results attained. The average attendance was about 8,000 a day for the week of the show, an unprecedented public testimonial which was well merited.

The Red Cross Tea Garden proved a most valuable and remunerative agency in securing the active co-operation of the society people and liberal access to the reading columns of the big newspapers, all of which gave large space to illustrations from day to day. The Tea Garden was in the form of a spacious pergola, richly furnished and adorned. A beautiful flower garden extended the whole length, with stucco columns and walls, with a series of wall-fountains and water-lily pools, alternated with antique and valuable marble statuary. It cost something to get in there and have a cup of tea poured by one of New York's society buds. As one young man expressed it, "The Red Cross on this occasion added new horrors to the war." Yet even at that they had to turn people away for lack of room. Of course this is not exactly flower show news, but the value of this recognition by the 400 of the metropolis as an asset for the future of the annual flower show may be imagined. It was a magnet which gave to the show from start to finish the atmosphere of a society festivity, and among the people most prominent in the Red Cross enterprise were many folk whose estates were large contributors to the exhibition proper.

We think the general arrangement of the exhibits on the main floor was superior to that of any of its predecessors, but it is almost hopelessly impracticable to make an effective and harmonious whole in a hall so full of heavy columns. Big bays and palms sufficed to give pleasing outline effect as seen from the entrance, while to enhance the brilliancy of color on all sides would be next to impossible. The broken up character of the architecture of the great hall, while uncompromising as regards any general view or vista had its compensating advantages, offering abundant opportunity for individual effort on the various displays and groups.

Attention and admiration was largely centered on the two splendid rose gardens, by Cromwell Gardens and F. R. Pierson Company, to which reference was made in our notes of last week. The A. N. Pierson garden which took 1st prize was enclosed with a low rustic fence, gracefully festooned with Tausendschoen roses and the same

beautiful rose clambered in natural abandon over a rustic pergola. Quaint flag stepping stones formed the paths across a green moss lawn bordered and bedded with Baby Rambler roses. F. R. Pierson's garden was a model of fastidious primness and finish. It was placed in a white lattice enclosure with arborescent seats and statuary and a central sun dial. The beds were filled with delicate pink tinted Baby Ramblers with the pots plunged out of sight and the walks were of light colored crushed stone. In addition to second prize this garden was given a special gold medal by the Horticultural Society of New York for its artistic excellence.

The groups of flowering plants and bulbs arranged for effect, 200 sq. ft., were greatly admired and worthily so. From a spectacular standpoint it would be hard to beat Wm. Duckham's group in this class. It was a bold riot of color compelling attention by its very daring, the central mass of glowing bloom running into a background of tall acacias and genistas overrun with nasturtiums and flanked on either side with masses of lilacs, schizanthus and Cape plants.

The F. E. Lewis group, which won 2nd prize presented a glorious spring floral effect. Standard peaches and laburnums figured impressively in this exhibit.

For uniqueness we cannot refrain from words of praise for the group of W. B. Thompson in the aforementioned class. Abutilions, chorizemas, Rehmannia, climbing roses, trailing begonias, cyclamen, wisterias, cinerarias, etc., were arranged in masses, columnar groups and over arches in most unusual combinations.

One of the most enticing exhibits for the real garden lover was the rock garden by Julius Roehrs Company. It was a beautiful conception and showed elegant judgment in its arrangement. Dielytras, low phloxes, aquilegias, veronicas, sedums, dianthus, and a host of alpine gems snuggled among or drooped over the rocks and groups of pyruses and hawthorns on either side gave a welcome touch of realistic spring to the whole.

The group by R. M. Johnston, gardener to W. B. Thompson which won in the foliage plant class for private growers was the finest arrangement of foliage plants in the hall. In fact, we do not remember to have ever seen any group to surpass it anywhere. It was an object lesson in plant grouping.

The orchids were as usual a source of wonder and interest to the visitors. The orchid men fairly outdid themselves and there were many very extensive and handsomely grouped collections. The unique arrangement by Julius Roehrs Company which we illustrate herewith was much admired. It was on a much larger scale than the picture suggests, the whole illuminated by lights hidden behind the frame. Clement Moore's collection was rich

in hybrids of high caste. The exhibit of George Schlegel was staged with great taste. *Cypripedium Morganae* Burfordense was one of the jewels of this superb collection.

In our humble judgment the most beautiful orchid in the show was the hybrid *Odontoglossum* Jasper, in the exhibit of Arthur N. Cooley of Pittsfield, Mass. *Miltonia* St. Andre in the F. E. Lewis collection was another gem. In Lager & Hurrell's display some notable things were *Cypripedium Rothschildianum* and *Miltonia Bleucana*, beautifully flowered specimens, also *Dendrobium Schuitzi*, white flowered, in way of *D. formosum*. The pets in Julius Roehrs collection included: *Brasso-Cattlaelia* Wotan, *Odontodia Madeline*, *Odontodia Keighleyensis*, *Miltonia* St. Andre, *Odontoglossum Loochristie* var. *excellens*, *Odontoglossum* x *Dora*, *O. Wilckianum*, *O. Armainvillierense*, *Brasso-Laelia Jessopii*, *Cypripedium Maudiae* var. *Non plus ultra* and *Odontodia Charlesworthii*.

Friday was Hotel Day in the table decorations and seven of the leading houses competed. Judging was done by society ladies. Each hotel had its champion among the onlookers and in the judgment of each the favorite "ought to have had it." The Holland House won the Horticultural Society Cup with a decoration of acacias and sweet peas. The Ritz-Carlton came in 2nd with a miniature lake with flower-adorned banks. The Aster, Biltmore, Delmonico, McAlpin and Manhattan were all well represented.

The classes for table decorations by private growers on Monday, March 22d, brought out six competitors, and all were liberally rewarded. As a whole, they were in our estimation more artistic in conception and finish than those shown by the commercial florists previously. The winning entries were models of exquisite simplicity, and here it might be mentioned that the judges acted seemingly from the same motives as those in the Boston exhibition, almost invariably giving their commendation to those tables which were the least elaborate in form and color. The first prize table, entered by A. Lewisohn, was decorated with a tall vase of *Dendrobium Wardianum*, Mrs. Aaron Ward roses and *Acacia pubescens*. Second prize went to R. M. Johnston's table, on which *Phalaenopsis* and *Schizanthus* were used.

Other tables were as follows:

P. W. Popp, dark *Cattleyas*, lily of the valley and *Primula malacoides*, special award. Wm. Brock, Hillingdon roses and freesias, special silver medal. W. Atkinson, pansies, special silver medal. Thos. Aitchison, Afterglow roses, special silver medal. M. J. Fitzgerald, *Dendrobium Wardianum*, *D. densiflorum* and *Chorizema*, special mention.

The Department of Parks, as mentioned in our last week's issue, made an exhibit which was a great garden



JULIUS ROEHRS COMPANY'S ORCHID ARRANGEMENT, NEW YORK FLOWER SHOW.

12 Tulips, 1st, A. N. Booth; 2d, Payne Whitney.

6 Tulips, 1st, A. N. Booth; 2d, Payne Whitney.

12 Darwin or Cottage Tulips, W. E. Marshall & Co. prize, 1st, Payne Whitney; 2d, Jas. A. MacDonald.

6 Narcissus, Stump & Walter Co. prize, John T. Pratt, gard. J. W. Everitt.

3 King Alfred Narcissus, Stump & Walter Co. prize, 1st, Payne Whitney; 2d, John T. Pratt.

BULBOUS PLANTS.

Commercial Growers.

50 Lilies, Hotel McAlpin silver cup, F. R. Pierson.

20 pans Lily of the Valley, August Hohmann & Sons prize, 1st, Wm. H. Siebrecht; 2d, Julius Roehrs Co.

20 pans Single Early Tulips, 10 varieties, Peter Buerlich.

ORCHID PLANTS.

Private Growers.

Group of plants, 50 sq. ft. arranged for effect, Mrs. French Vanderbilt prize, 1st, Geo. Schlegel, gard. S. G. Milosy, splendidly flowered; 2d, Clement Moore, gard. J. P. Mossman. Also special silver medal; very rich and rare collection.

Six plants in variety, Miss C. A. Bliss prize, 1st, Clement Moore; 2d, Louis Strauss.

Specimen Brasso-Cattleya or Brasso-Laelia, 1st, Geo. Schlegel; 2d, Clement Moore.

Specimen Cattleya Mossiae, Louis Strauss.

Specimen Cattleya Schroederiae, 1st, Geo. Schlegel; 2d, Clement Moore.

Specimen Cattleya, any other variety, 1st, Clement Moore; 2d, Geo. Schlegel.

12 Cyripediums, Geo. Schlegel.

Specimen Cyripedium, 1st, Geo. Schlegel; 2d, Louis Strauss.

6 Dendrobiums, George Schlegel.

Specimen Dendrobium nobile, Geo. Schlegel.

Specimen Dendrobium Wardianum, 1st, Geo. Schlegel; 2d, F. V. Burton.

Specimen Dendrobium, any other variety, 2d, Geo. Schlegel.

Specimen Cattleya Laelia or Laelia Cattleya hybrid, 1st, Geo. Schlegel; 2d, Clement Moore.

Specimen Laelia, any variety, 2d, Geo. Schlegel.

Specimen Odontoglossum, 1st, Louis Strauss; 2d, F. E. Lewis.

Specimen Oncidium, 1st, Geo. Schlegel; 2d, F. V. Burton.

Specimen Phalaenopsis, 1st, W. B. Thompson; 2d, Geo. Schlegel.

Specimen Vanda, 2d, Clement Moore.

Specimen any variety other than above, 1st, F. E. Lewis, with Miltonia St. Andre; 2d, F. V. Burton.

Collection of Brasso-Cattleyas, Brasso-Laelias, Sophro-Cattleyas, Sophro-Laelias or their allies, Stuart Low & Co. silver cup, Clement Moore. A wonderful collection.

ORCHID PLANTS.

Commercial Growers.

Group of plants, 100 sq. ft. arranged for effect, Edward S. Harkness prize, 1st, Julius Roehrs Co. Displayed in illuminated frame, with mirrored ends. Fine Sophronitis shown here; 2d, Lager & Hurrell. Odontodia McNabiana received a special silver medal.

12 plants, Julius Roehrs Co.

6 plants, J. Pierpont Morgan prize, Julius Roehrs Co.

Specimen Brasso-Cattleya or Brasso-Laelia, 1st, Julius Roehrs Co.; 2d, Lager & Hurrell.

Specimen Cattleya Mossiae, Julius Roehrs Co.

Specimen Cattleya, any other variety, Julius Roehrs Co.

25 Cyripediums, Lager & Hurrell.

Specimen Cyripedium, 1st, Lager & Hurrell; 2d, Julius Roehrs Co.

12 Dendrobiums, Julius Roehrs Co.

Specimen Dendrobium nobile, Julius Roehrs Co.

Specimen Dendrobium, any other variety, Julius Roehrs Co.

Specimen Cattleya, Laelia or Laelia Cattleya hybrid, Lager & Hurrell.

Specimen Laelia, Julius Roehrs Co.

Specimen Odontoglossum, Julius Roehrs Co.

Specimen Oncidium, Julius Roehrs Co.

Specimen Phalaenopsis, Julius Roehrs Co.

Specimen Vanda, 2d, Julius Roehrs Co.

Specimen any variety other than the above, Lager & Hurrell.

CUT ORCHIDS.

Private Growers.

Table cut orchids arranged for effect.

Ritz Carlton Hotel prize, 1st, Arthur N. Cooley; 2d, George F. Baker.

CUT ORCHIDS.

Commercial Growers.

Display, 100 sq. ft. arranged for effect, Julius Roehrs Co. Effectively arranged with mirrors, and edging of Adiantum Farleyense and variegated Panicum.

ROSES IN POTS AND TUBS.

Commercial Growers.

Display rose plants arranged as a rose garden, 500 sq. ft., 1st, A. N. Pierson; 2d, F. R. Pierson Co.

Specimen Climbing red, A. N. Pierson, Inc.

Specimen Climbing pink, A. N. Pierson, Inc.

Specimen Climbing white, A. N. Pierson, Inc.

Collection Hybrid Perpetuals, Teas, Hybrid Teas, Polyanthas, etc., covering 100 sq. ft. arranged for effect, International Exposition Co. prize, 1st, A. N. Pierson, Inc.; 2d, H. C. Steinhoff.

Best new rose not in commerce, Silver medal, South Park Floral Co.

CUT ROSES.

Private Growers.

12 American Beauty, P. A. B. Widener, gard. Wm. Kleinheinz.

12 Milady, 2d, Mrs. Howard Cole, gard. W. R. Fowkes.

12 Hadley, Mrs. Howard Cole.

12 Mrs. George Shawyer, 1st, Geo. C. Mason, gard. David S. Miller; 2d, Mrs. Howard Cole.

12 Mrs. Charles Russell, 2d, Geo. C. Mason.

12 Pink Killarney or Double Pink Killarney, Mrs. F. A. Constable.

12 White Killarney or Double White Killarney, 1st, Mrs. J. H. Flagler, gard. Benj. Distey; 2d, Mrs. Howard Cole.

12 Killarney Queen, Mrs. Howard Cole.

12 Radiance, James A. MacDonald.

12 Sunburst, 1st, Mrs. F. A. Constable; 2d, Eugene Meyer, Jr.

12 Mrs. Aaron Ward, Mrs. Howard Cole.

12 any other disseminated variety, white, P. A. B. Widener.

12 any other variety, pink, P. A. B. Widener.

12 any other color, 1st Variety, 1st, Mrs. F. A. C. Co.; 2d, P. A. B. W. Co.; 3d, P. A. B. W. Co.; 4th, P. A. B. W. Co.; 5th, P. A. B. W. Co.; 6th, P. A. B. W. Co.; 7th, P. A. B. W. Co.; 8th, P. A. B. W. Co.; 9th, P. A. B. W. Co.; 10th, P. A. B. W. Co.; 11th, P. A. B. W. Co.; 12th, P. A. B. W. Co.

CUT ROSES.

Commercial Growers.

100 American Beauty, 1st, Lord & Burnham Co.; 2d, 1st, R. P. Co.; 3d, Brant, Hertz, Flower Co.
100 K. H. Q. Co., 1st, H. Fairfield Osborn prize, 1st, A. N. Pierson, Inc.; 2d, F. R. Pierson Co.
50 American Beauty, Manhattan Hotel silver cup, 1st, A. N. Pierson, Inc.; 2d, F. R. Pierson Co.
50 Lady, A. N. Pierson, Inc.
50 Mrs. George Shawyer, 1st, A. N. Pierson, Inc.; 2d, L. A. Noe
50 Prince of Wales, 1st, F. R. Pierson Co.; 2d, F. R. Pierson Co.
50 Pink Killarney or Double Pink Killarney, 1st, F. R. Pierson Co.; 2d, A. N. Pierson, Inc.
50 White Killarney or Double White Killarney, 1st, A. N. Pierson, Inc.; 2d, F. R. Pierson Co.
50 Richmond, Gude Bros. Co.
Display of cut roses, 200 sq. ft., not less than 500 or more than 1000 blooms, arranged for effect, 1st, F. R. Pierson Co.; 2d, A. N. Pierson, Inc.

CARNATIONS.

Private Growers.

25 white, Cottage Gardens Co. prize, 1st, H. M. Tilford; 2d, G. D. Barron.
25 flesh pink, Cottage Gardens Co. prize, 1st, W. B. Thompson; 2d, W. W. Heroy.
25 light pink, Cottage Gardens Co. prize, 1st, Peter Hauck, Jr., gard. Max Schneider; 2d, P. A. B. Widener.
25 dark pink, Cottage Gardens Co. prize, 1st, D. G. Reid; 2d, Idlewild estate.
25 red or scarlet, Cottage Gardens Co. prize, 1st, W. B. Thompson; 2d, E. C. Benedict.
25 crimson, Cottage Gardens Co. prize, 1st, D. G. Reid; 2d, W. W. Heroy.
25 white variegated, Cottage Gardens Co. prize, 1st, E. E. Lewis; 2d, W. E. Reis, gard. H. Grunet.
25 any other color, Cottage Gardens Co. prize, T. L. Wall.
Vase, not to exceed 150 blooms, Wm. Wells & Co. prize, 1st, P. A. B. Widener; 2d, D. G. Reid; 3d, George F. Baker.

CARNATIONS.

Commercial Growers.

100 white, 1st, Cottage Gardens Co.; 2d, Strout's.
100 flesh pink, Florists' Exchange prize, 1st, Cottage Gardens Co.; 2d, Chas. Weber.
100 light pink, A. Roper.
100 dark pink, 1st, John Reimel's Sons; 2d, Cottage Gardens Co.
100 red or scarlet, 1st, M. Matheron; 2d, Strout's.
100 crimson, 1st, J. W. Minott Co.; 2d, Louis Enne.
100 white variegated, Mrs. F. K. Sturgis prize, 1st, Strout's; 2d, Henry Weston.
50 white, 1st, Cottage Gardens Co.; 2d, Strout's.
50 flesh pink, 1st, A. Roper; 2d, Strout's.
50 light pink, A. Roper.
50 dark pink, 1st, Cottage Gardens Co.; 2d, A. Roper.
50 scarlet, 1st, M. Matheron; 2d, Joseph Schuch.
50 crimson, 1st, Strout's; 2d, Louis Enne.
50 any new variety not in commerce, silver medal, A. Roper, with Alice Combs.

SWEET PEAS.

Private Growers.

Display, 25 sq. ft., D. G. Reid.
6 varieties, 25 sprays each, D. G. Reid.
100 sprays, arranged for effect, Alex. Geddes.
Dinner table decoration, sweet peas exclusively, Frederic R. Newbold silver plate, 1st, David Francis; 2d, Mrs. Nathan Strauss, gard. Thos. Atchison.

SWEET PEAS.

Commercial Growers.

100 bicolor, 1st, August Contram; 2d, Athena Nurseries.
100 white, 1st, Aug. Contram; 2d, John M. Barker.
100 red or crimson, 1st, Aug. Contram; 2d, John M. Barker.
100 cream pink, John M. Barker.
100 light lavender, 1st, Aug. Contram; 2d, Athena Nurseries.

100 dark lavender, 1st, Athena Nurseries; 2d, John M. Barker.
100 pink or salmon, 1st, Aug. Contram; 2d, A. H. V. & Sons.
100 orange, John M. Barker.
100 any other color, 1st, A. H. V. & Sons; 2d, Aug. Contram.
Display, 100 sq. ft., arranged for effect, 1st, John M. Barker; 2d, A. C. Zvolanek.

MISCELLANEOUS CUT FLOWERS.

Private Growers.

Basket cut flowers, orchids, included Daniel G. Reid prize, Mrs. H. Darlington, roses and orchids.
25 spikes pink Antirrhinum, H. L. Harkness, gard. A. Fournier.
25 spikes white Antirrhinum, 1st, W. E. Griswold, gard. A. J. Loveless; 2d, Percy Chubb.
25 spikes yellow Antirrhinum, Adolph Lewsohn.
25 spikes assorted Antirrhinum, 1st, Percy Chubb; 2d, B. H. Borden.
12 spikes Mignonette, 1st, E. C. Benedict, gard. Robert Allen; 2d, Eugene Meyer, gard. Chas. Rulven.
Pansies, display covering 10 sq. ft., 1st, D. G. Reid; 2d, A. Lewisohn.
12 spikes white Stocks, W. Heroy, gard. A. Wynne.
12 spikes pink Stocks, 1st, H. M. Tilford, gard. Jos. Tansy; 2d, W. W. Heroy.
12 spikes Stocks any other color, 1st, H. M. Tilford; 2d, Henry Goldman, gard. Anton Bauer.
12 spikes Wallflower, 1st, Eugene Meyer, Jr.; 2d, W. E. S. Griswold.
200 Single Violets, 1st, Peter Hauck, Jr.; 2d, Percy Chubb.

MISCELLANEOUS CUT FLOWERS.

Commercial Growers.

50 spikes pink Antirrhinum, 1st, W. D. Howard; 2d, F. R. Pierson Co.
25 spikes Mignonette, August Sauter.
25 spikes pink Stocks, V. Zuber & Sons.
25 spikes Wallflower, B. Bruckner.
Display single Violets covering 10 sq. ft., arranged for effect, C. F. Babret.

Table Decorations by Private Growers.

Artistic dinner table decoration, other than sweet peas, 1st, A. Lewisohn; 2d, W. B. Thompson.

Table Decorations by Hotels.

Artistic dinner table decoration, set for 12, Horticultural Society of New York silver cup, 1st, Holland House; 2d, Ritz-Carlton.

The Trade Displays

More extensive than ever, the numerous trade display booths added interest and variety to the show, as well as abundant shekels to the exchequer. Quite a number of concerns not in any way identified with horticulture took space this year and busily exploited their wares in country fair style. Some objection was voiced by "legitimate" exhibitors and no doubt this question will be brought up for consideration later on as to the wisdom of the innovation. Following is the list of trade exhibitors:

Max Sehling, New York. An elaborate booth in the form of a Greek temple and carpeted with green plush, in which were shown numerous examples of floral arrangements in baskets, etc.

George E. M. Stump, New York. In Mr. Stump's prettily equipped booth, a specialty was made of flowers arranged in dainty receptacles of novel design, Japanese vases, water vases, etc.

F. R. Pierson Co., Tarrytown, N. Y., a very large and attractive booth, in architecture similar to that of their imposing building at Tarrytown, finely decorated with specimen ferns and roses.

A. N. Pierson, Inc., Cromwell, Ct., had a very large booth in pergola form, lavishly banked with ferns and flowers, in the same section as last year.

Julius Roehrs Company, Rutherford, N. J. Characteristic display of the choice greenhouse material and nursery stock for which this house is well known.

Knight & Struck Co., New York. Interesting exhibit of hard-wooded greenhouse plants.

R. J. Irwin, New York. Samples of novelties and specialties, including Carnation Pink Sensation.

Arthur Cowie, Berlin, N. Y., showed on his stand forced blooms of the new Gladiolus Pease.

A. L. Miller, Jamaica, N. Y. A brilliant group of Easter plants.

Woodrow & Marketos, New York. A miniature formal garden, a perfect reproduction of a country residence with house, driveways, lawn, lake, arbor, etc., beautifully executed.

J. A. Peterson, Cincinnati, O. Group of Begonias.

Collin Campbell, New York. Dracenae in variety.

Scott Bros., Elmsford, N. Y. Nephrolepis Elmsfordii, a lovely dwarf tufted variety.

Robert Craig Company, Philadelphia. An extensive collection of the many choice greenhouse plants, foliage and flowering, for which this house is widely known.

Boblink & Atkins, Rutherford, N. J. This house had some splendid groups of conifers, and occupied a large octagonal booth surrounded by trained fruit trees and other pertinent material.

Lager & Hurrell, Summit, N. J. Samples of orchids.

J. M. Thorburn & Co., a latticed garden filled with gorgeous bulbous bloom, making a brilliant effect.

Stump & Walter Co., New York. An extensive bulb flower display, in which the initials of the firm were deftly woven into the display with tulips and daffodils.

Bon Arbor Chemical Company, Paterson, N. J. Samples of plant food.

New York Stable Manure Company, Jersey City, N. J. Samples of Diamond Brand Compost.

Apline Mfg. Company, Madison, N. J. A very large booth with samples of the various insecticides for which this house is well known.

Wm. F. Leary, New Rochelle, N. Y. Spraying outfit.

Benjamin Hammond, Beacon, N. Y. Slug Shot, Paint, Putty, and other specialties of this well-known house. A large and interesting display.

Hitchings & Co., Elizabeth, N. J. A complete greenhouse with boiler illuminated to show interior fitting. Hitchings benches, etc., and numerous photographs of conservatories and greenhouses erected by this company.

Lord & Burnham Company, New York. Conservatory, complete in all its appointments for heating, benching, ventilating and lighting.

Metropolitan Material Co., Brooklyn, N. Y. Section of greenhouse with the walls prettily covered with English Ivy.

W. H. Lutton Company, Jersey City, N. J. Section of curved-eave greenhouse complete.

Kroeschell Bros. Co., Chicago. As usual, an interesting exhibit in handsomely furnished headquarters, in charge of Fred Lautenschlager.

Reed & Keller, New York. A very extensive display of florists' supplies and novelties, as usual.

Coldwell Lawn Mower Co., Newburgh, N. Y. Samples of Lawn Mowers of all descriptions.

Charles H. Totty, Madison, N. J. Samples of various plant and flower specialties, including the new roses September Morn and Mrs. F. F. Thompson.

R. M. Ward & Co., New York. Display of Horse Shoe Brand Lily bulbs, with specimen plants of Formosum lilies in bloom five feet tall.

Also the following, all of whom were more or less represented by their various specialties:

Miller & Doing, Brooklyn, N. Y.; Doubleday, Page & Co., Garden City, N. Y.; Alphano Humus Company, New York; Schloss Bros., New York; Geo. L. Stillman, West-erly, R. I.; F. A. Stokes & Co., New York; Revere Rubber Co., Chelsea, Mass.; B. Hammond Tracy, Wrenham, Mass.; Garden-craft Toy Co., New York; Ideal Power Lawn Mower Co., Lansing, Mich.; A. F. Jerome, Newark, N. J.; Garden Gateway Co., New York; Mountain Community, New York; Ayash Shammah, New York; The Cloche Co., New York; V. & R. Industries, New York; Commission House for women's Work, New York; Mrs. Alfred Hamburger, Brooklyn, N. Y.; Autocar Company, New York; Sharonware Foot Shop, New York; International Child Welfare League, New York; International Garden Club, New York; I. J. Stringham, New York; Japanese Floral Perfume Co., New York; Farm & Garden, New York; S. P. Townsend & Co., Orange, N. J.; Reade Mfg. Co., Hoboken, N. J.; John Scheepers, Inc., New York; Wilson Mfg. Co., Springfield, N. J.; Craftman, New York; Dayton Sprinkler Co., Dayton, O.; R. G. Wilson, Brooklyn, N. Y.; Eber Washam Fixture Co., New York.

BOSTON SPRING FLOWER SHOW



DUTCH GARDEN — EXHIBIT OF R. & J. FARQUHAR & CO.

We gave a quite full account of the features of this fine exhibition in last week's issue and little remains to be recorded except the names of the winning exhibitors. The two lofty groups of palms, bays and flowering plants by W. W. Edgar Company and Weld Garden, the perfectly bloomed acacias from Mrs. F. Ayer together with all the other prominent features mentioned in detail last week made a superb picture as one gazed from the loggia over the central exhibition hall. The Farquhar Dutch garden at the far end was a show in itself and gave a character to the hall never before attained. We present herewith a picture of that exhibit but unfortunately it gives only a meagre idea of its extent and beauty and the fountain with its basin of callas is entirely lost, and the graceful pendant racemes of the white and purple wisteria are practically invisible. A gold medal was awarded to this exhibit.

The attendance beat all records for a spring show in Boston. At times the halls were well nigh impassable. The canaries, contributed by Sidney Hoffman added charmingly to the scene and the ladies orchestra was a much enjoyed feature.

The orchids were very fine throughout. In the A. W. Preston exhibit, *Brasso-Cattleya Veitchii* was the particular gem. Another beauty was the seedling *Dendrobium Wellesley*, a cross of *D. nobile* x *Murrhinacum* x *D. nobile Victoria Regina*, shown by

Walter Hunnewell. The flowers are considerably larger than those of *D. nobile*. E. B. Dane's exhibit was, as always, a rich and rare collection. Mrs. C. G. Weld's orchid group was most artistically arranged.

The roses entered for the various prizes of the American Rose Society and the Massachusetts Horticultural Society were in noble form and the visitors were loud in their admiration. The big towering vases of *Radiance* from Jos. Heacock and Mrs. Russell and *Killarney Queen* from Waban Rose Conservatories were superlatively grand and much regret was expressed on all sides that the latter had to be disqualified because of a mistake in the number of blooms entered.

Judging from this exhibition as well as that in New York, *Schizanthus Wisetonensis* and *Primula malacoides* are destined to be big performers in the spring flower shows hereafter and *Cineraria stellata* has almost displaced the old *C. hybrida*.

AWARDS IN BOSTON SHOW.

Azaleas: 1st, Wm. Whitman; 2nd, W. W. Edgar Co.
 Palms: 1st, Mrs. Fred Ayer; 2nd, W. Whitman; 3rd, Weld Garden.
 Specimen Palm: Weld Garden.
 Ericas: Miss Cornelia Warren.
 Acacias (group): Mrs. F. Ayer.
 Specimen Acacia: Weld Garden; M. L. Ayer.
 Hydrangeas (group): W. W. Edgar Co.
 Primulas: Mrs. J. L. Gardner.
 Specimen Hard-wooded Greenhouse Plant: Miss Cornelia Warren.

Ramble Roses: M. H. Walsh, 1st and 2nd.

Group Roses (all classes): Thomas Roland, W. W. Edgar.

Cyclamen: Mrs. Lester Leland, two 1sts; E. A. Clark, one 1st, one 2nd; Mrs. J. L. Gardner, two 2nds.

Cinerarias: Mrs. Gardner, three 1sts, one 3rd; Mrs. Weld, one 1st; E. A. Clark and W. Whitman, one 2nd each.

Schizanthus: E. A. Clark, Miss Warren, Mrs. Gardner.

Hyacinths, Tulips, Narcissi and Crocuses (twenty-one classes): Wm. Whitman, thirteen 1sts, three 2nds, two 3rds; A. F. Estabrook, one 1st, four 2nds, one 3rd; Mrs. J. L. Gardner, three 1sts, two 2nds; A. W. Preston, three 1sts, six 2nds, five 3rds; Miss M. A. Rand, one 1st; E. A. Clark, two 2nds, one 3rd.

Lily of the Valley: J. T. Butterworth, Mrs. C. G. Weld.

Amaryllis: Mrs. J. L. Gardner.

Lilium Longiflorum: D. T. Walker, Mrs. F. Ayer, Mrs. C. G. Weld.

General Display of Spring Bulbous Plants: Weld Garden.

Roses in Vases: Prince d'Arenberg, S. J. Reuter & Son, Killarney, 1st, Joseph Heacock Co.; 2nd, A. N. Pierson. White Killarney, 1st, Jos. Heacock Co.; 2nd, A. N. Pierson. Lady Hillingdon, Jos. Heacock Co.; Mrs. Chas. Russell, Waban Rose Conservatories; Mrs. Aaron Ward, A. N. Pierson. Any other kind, 1st, Jos. Heacock Co.; 2nd, John Welch Young.

Carnations, 100 of any undisseeded variety: A. Roper with Alice Coombs; 2nd, A. A. Pembroke. In eight classes of 50 each: A. A. Pembroke, 1st; 2nd, J. A. Nelson, three 1sts and one 2nd; M. A. Patten, one 1st and three 2nds. Artistic display of carnations: Penn the Florist.

Violets, single: Esty Bros., Ed. Bingham; violets, double, Ed. Bingham, John L. Gale.

Sweet Peas: Wm. Sim, 1st in all classes.

1st, 2nd, 3rd, 4th, 5th, 6th, 7th, 8th, 9th, 10th, 11th, 12th, 13th, 14th, 15th, 16th, 17th, 18th, 19th, 20th, 21st, 22nd, 23rd, 24th, 25th, 26th, 27th, 28th, 29th, 30th, 31st, 32nd, 33rd, 34th, 35th, 36th, 37th, 38th, 39th, 40th, 41st, 42nd, 43rd, 44th, 45th, 46th, 47th, 48th, 49th, 50th, 51st, 52nd, 53rd, 54th, 55th, 56th, 57th, 58th, 59th, 60th, 61st, 62nd, 63rd, 64th, 65th, 66th, 67th, 68th, 69th, 70th, 71st, 72nd, 73rd, 74th, 75th, 76th, 77th, 78th, 79th, 80th, 81st, 82nd, 83rd, 84th, 85th, 86th, 87th, 88th, 89th, 90th, 91st, 92nd, 93rd, 94th, 95th, 96th, 97th, 98th, 99th, 100th.

Marguerites: James Wheeler.
 Antirrhinums: Mrs. C. G. Weld, F. W. Fletcher.

The American Rose Society, to be American in fact as well as in name, embraces various sections of country in which the climatic conditions are different, and there is probably no variety of flower that covers so much ground as does the rose. No matter where the rose is, there is no single flower which carries with it more attraction than the rose in full bloom; no bud has more significance in its choiceness than the rose bud; no flower as a gift to sick or well has so much character or feeling attached to it as the rose. It grows on the confines of Mexico on the Rio Grande River; it grows in the Highlands of the Laurentian Mountains beyond Lake Superior; it thrives in abundance in the warm breezes of the Pacific Ocean; it

WHITE PINE

NEW ENGLAND BORN
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Hardy, Vigorous Stock

Special Sale

No. 1 QUALITY (Heavy)

Root-Pruned and TWICE-Transplanted
3 to 4 FEET HIGH

100 trees for **\$34** 12 trees for **\$7**
6 trees for **\$4**

The illustration shows our 2 to 3 foot grade
of Twice-Transplanted WHITE PINES →



WRITE TO-DAY

for New Illustrated Tree Catalogue. MANY MILLIONS OF TREES for Ornament and Shade, for Hedges, Windbreaks, and Forests.



"America's Most Beautiful Evergreen"

DR. L. H. BAILEY'S "Cyclopedia of American Horticulture" says:—"For grace and elegance, nothing better than our five-needed silver-lined WHITE PINE could be imagined."

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1000 trees **\$85**

100 trees **\$10** | 12 trees **\$3**

Lower Prices for Other Grades and
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It's a good plan to buy YOUR Little Trees where Landscape Architects, Park Superintendents and Foresters buy THEIRS.

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thrives in the East and it blooms in the South, and a society to hold an interest in a connection of this kind is no small affair.

The Test Gardens.

The past year has seen culminated efforts that have gradually grown up to provide test gardens for roses in various geographical locations. At Hartford, Conn., the rose garden there attracted attention which stimulated efforts in other directions. At the city of Washington interest was stirred up and now there has been started a National Rose Garden of some considerable proportions. At Cornell University, which is an ideal region for climatic conditions for outdoor roses, there is now a garden which, if it is pushed with persistent energy, will very soon become as famed as some of the choicest spots in Europe. In Minneapolis in one of the beautifully located parks is a rose garden that has demonstrated what can be done where the winters are sharp and long, and the result as seen there is a credit to the man whose genius has created it. In Southern California the rose is almost of spontaneous growth. In Oregon, Washington and British Columbia there the rose in the brilliancy of its colors, in the heyday of its blooming makes a showing that is wonderful. All these things when reduced to simple every day use, add to the beauty of the home, and old as the hills comes the cry—"there is no place like home."

Affiliation

The effort of the American Rose Society is to lead off and to affiliate with every local society that has its annual rose show; to encourage the same by distribution of its medals. The past year the Rose Society in the city of Syracuse, N. Y., joined the American Rose Society. It has 244 members. In the city of Newport, R. I., two organizations have joined the society, viz: "The Newport Garden Club" and the "Garden Association."

The Year's Activities

The Bulletin of the past year giving a record of some of the work accomplished is a book of value. It gives accurate illustrations of the Rose Gar-

dens at Washington and Cornell: it gives articles from California and Oregon bearing upon this subject of rose adaptation which is of interest and value to every commercial rose grower, not only in America but in Europe as well, because America is a great rose market for imported stock.

The past three years the limited income of the American Rose Society has been greatly assisted in its premium list by the associations with whom its main exhibition has been placed. There is no one connected with the American Rose Society in an official way that accepts any compensation whatever either for time or effort given. The society stands today in a position of influence in the development and the adaptation of the rose for general display. One of the things we want to do and which was tried, when for over a year we published the Rose Journal, simply as a means of keeping in touch with its membership. The matter of scale of points as adopted by the society is one thing that has been accepted in various parts of the country. The judgment as made upon either plants or blooms by the able men who have been selected as judges and who have acted in the capacity of judging accurately the various points of value, have gained the confidence of local associations far and wide.

A society like the American Rose Society with interests in all parts of the country has a patriotic as well as a commercial value; it touches local interests and home interests that are echoed far and wide. During the past year more medals were distributed than we ever before have given, and last year was the first year that the five-year limit covering the Mrs. Gertrude M. Hubbard fund was reached. This medal went to a man in Massachusetts, M. H. Walsh of Woods Hole, while a close competitor for the honor was the well known rosarian—John Cook of Baltimore, Md., with his rose—Radiance.

Looking Ahead.

It is the hope of the society to see its growth in numbers largely increased; to see the spirit of affiliation take a wider form; to see the rose test gardens spring up in sections that will

show what can be done in Texas, in Idaho or Montana, or what may be done in Kansas or Kentucky or what may be done in the Gulf States.

As a society we have held our meetings mainly in the East. This year there is the greatest exhibition that was ever planned or carried out, in commemoration of what is said to be the greatest physical work of engineers that the work has ever seen—the opening of the Panama Canal, and what will be used to show up the grounds of the Exposition to a large extent will be Roses, because it is held in the land of roses. How many of our members will attend that exposition is unknown, but wherever you go on that journey you will find the rose in evidence and wherever the next annual exhibition may be, we hope that it will reach a company of people who will make it a decided success in every way.

Prosperity.

Our finances are in fair condition. The life membership fund has grown until it is \$3,150, which is used as a permanent fund, and the larger this permanent fund is the more the American Rose Society will become a society of permanent ability to do good. Associate members are what we need, but if we get such membership we must have from time to time during the year publications of decided interest to the home grower. One thing that helps more than any other is—colored illustrations. These are expensive pieces of work if well done, but I hope the time will come when the publications of the American Rose Society will be so accurately illustrated, and illustrated in color that they

A. N. Pierson, Inc.

CROMWELL, CONN.

Bedding Plants and Roses

will be a part of the choice products of the printers art. To accomplish this we want an increased membership of all classes and if there is any one here today who is not a member of the American Rose Society we should be glad to have them join us in any one of the three grades of membership, because when we leave Boston we want to leave it stronger than when we came, just as we have done each time we have been here.

BENJAMIN HAMMOND, Sec'y.

TREASURER'S REPORT.

Receipts	\$1,875.89
Disbursements	500.00
Balance forward	1,208.29
Total	\$1,875.89

Westchester & Bronx Title & Mortgage Co. 300.00
 Mortgage Guaranty Co. 200.00
 Summit Trust Co. 100.00
 Permanent Fund 150.00
 Hubbard Metal Fund 250.00
 HARRY O. MAY, Treas.

LEMON TREES WANTED

I have a commission to fill for a number of lemon trees. These are not for show but for fruit distinctively, and the best edible varieties are required. Parties having such to offer please write at once with particulars and price, to

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IN BUD AND BLOOM FOR EASTER

In nice shape for immediate sale. We can furnish nice plants at \$9.00, \$12.00, \$18.00 and \$24.00 per dozen.

POT-GROWN LILACS

Nice plants of Marie Legraye, Mme. Lemoine, and Chas. X., \$2.00 each.

EASTER LILIES

IN BLOOM

Cut lilies or lily plants shipped out of pots, 10c. per bud or flower; if shipped in pots, 12c. per bud or flower. Plants are in fine shape, from medium height to tall, and ranging four to eight buds or flowers per plant.

HYACINTHS

In pans, 50c., 75c. and \$1.00 per pan.

LILY OF THE VALLEY

IN FLOWER

6-inch pans, \$1.00 per pan.

F. R. PIERSON, TARRYTOWN, N. Y.

BEFORE YOU PURCHASE

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We offer the most complete line of Fancy and Native Evergreens, Herbaceous Perennials, Shade Trees, Shrubs, Roses and Fruits in small lots or by the thousand, and in the usual "High Grade Quality." It is no trouble to quote you.

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VINES, ROSES, ETC.



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SHRUBS

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CYCLAMEN

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4 inch	\$35.00
3 inch	50.00
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LILIES

With 4 to 10 flowers....12 cents per bloom
Less than 4 flowers....15 cents per bloom
Made up pans from 15 to 25 flowers.

12 cents per bloom
Cut Lilies, medium....\$12 per 100 blooms

RHODODENDRONS

Prices, \$1.50, \$2, \$2.50, \$3, \$3.50 and \$4 each
Very large plants....\$5, \$6, and \$7.50 each
Pink Pearl....\$2, \$2.50 and \$3 each

HYDRANGEAS

Otaksa, 6-in., \$6, \$9, \$12, \$15, \$18 per doz.
7-in. and 8-in.,

\$2, \$2.50, \$3, \$3.50 and \$4 each

Specimen....\$5, \$6 and \$7.50 each
April delivery, 2½-inch pots. Otaksa, strong
plants, \$8 per 100; \$75 per 1000.

THE NEW FRENCH HYDRANGEA

6-inch and 7-inch pots, from 3 to 15 flowers,
\$9, \$12, \$15, \$18, \$24, \$30, \$36, \$48 per doz.

HALF STANDARD BABY RAMBLERS
Orleans, President Taft, Phyllis, etc., ex-
ceptionally fine plants, 3-foot stems, \$1.25,
\$1.50 and \$2 each.

PHYLLIS PINK BABY RAMBLER

5-inch and 6-inch pots, \$6 and \$9 per doz.

ORLEANS (New)

5-inch and 6-inch pots....\$6 and \$9 per doz.
7-inch pots, very heavy, made up,

\$12 and \$15 per doz.

ERNA TESCHENDORFF

5½-inch and 6-inch pots....\$6 and \$9 per doz.

ELLEN PAULSEN

5½-inch and 6-inch pots....\$6 and \$9 per doz.
7-inch pots....\$12 and \$15 per doz.

LADY GAY AND DOROTHY PERKINS
In grand condition, trained into fan, globular
and pyramidal shapes, \$1.25, \$1.50, \$2,
\$2.50, \$3, \$3.50 and \$4 each.

Ball shape, wire frame, \$2.50, \$3, \$4, \$5 each.
Baskets....\$7.50 and \$10 each

TAUSENDSCHOEN—Thousand Beauties
Strong plants, 6-inch and 7-inch pots,

\$1, \$1.25 and \$1.50 each

Trained plants, fans, globular and pyra-
midal shapes, \$2, \$2.50, \$3, \$3.50, \$4, \$5,

\$6 and \$7.50 each

Baskets....\$7.50 and \$10 each

HYBRID ROSES—MAGNA CHARTA
Magna Charta, very fine, 6 to 18 flowers,

\$9, \$12, \$15 and \$18 doz.

DRUSCHKI AND SOLIEL D'OR

6-inch and 7-inch pots,
\$12, \$15, \$18, \$24 and \$30 per doz.

JUNIATA—NEW CLIMBING ROSE

Specimen plants, 6-inch and 7-inch pots,
\$12, \$15, \$18, \$24 and \$30 per doz.

Specimen plants,
\$3, \$3.50, \$4, \$5, \$6, \$7.50 and \$10 each

Baskets....\$7.50 and \$10 each
Globes....\$3.50, \$4, \$5, \$6 and \$7.50 each

EXCELSA—NEW CLIMBING ROSE

We offer splendid plants in 6-inch, 7-
inch and 8-inch pots at \$1.25, \$1.50,
\$2, \$2.50, \$3.50, \$4, \$5, \$6, \$7.50 and

\$10 each

Baskets of Excelsa at....\$7.50 and \$10 each

SPIRAEA GLADSTONE

7-inch pots....\$6 per doz.; \$45 per 100

7-inch pots....\$9 per doz.

8-inch tubs, made up....\$12 per doz.

10-inch and 11-inch tubs, very heavy,
made up....\$18 and \$24 per doz.

SPIRAEA QUEEN ALEXANDRA

6-inch and 7-inch pots....\$0.75 and \$1 each

GENISTAS

3-inch pots....\$15 per 100

4-inch and 4½-inch pots....\$3 and \$4 per doz.

5½-inch and 6-inch pots....\$6 and \$9 per doz.

7-inch pots....\$12 and \$15 per doz.

Large plants....\$1.50, \$2, \$2.50 and \$3

MARGUERITES

6-inch pots....\$4 and \$6 per doz.

AZALEAS

6-inch and 7-inch pots,
\$0.75, \$1, \$1.25, \$1.50 and \$2 each

Specimens at \$2.50, \$3, \$3.50, \$4, \$5,
\$6 and \$7.50 each

CROTONS

2½-inch pots....\$20 per 100; \$175 per 1000

4-inch pots....\$30 per 100; \$275 per 1,000

5-inch pots....\$50, \$75 and \$100 per 100

6-inch pots....\$12, \$15, \$18 and \$24 per doz.

7-inch pots....\$24, \$30 and \$36 per doz.

8-inch pots, made up beautiful plants,
\$24, \$30 and \$36 per doz.

16-inch pots, made up....\$5, \$6 and \$7.50 each

12-inch and 14-inch tubs, made up
beautiful plants....\$10 and \$15 each

LILY OF THE VALLEY

5-inch pots....\$7.50 per doz.

DRACAENA MASSANGIANA

4-inch pots....\$7.50 per doz.; \$50 per 100

6-inch pots....\$15 and \$18 per doz.

8-inch pots....\$24 and \$30 per doz.

11-inch tubs....\$3.50, \$4, \$5 and \$6 each

DRACAENA LORD WOLSELEY

2-inch pots....\$12 per 100

3-inch pots....\$25 per 100

4-inch pots....\$35 per 100

5-inch pots....\$9 per doz.

6-inch pots....\$12 per doz.

DRACAENA STRICTA GRANDIS

2½-inch pots....\$20 per 100

3-inch pots....\$35 per 100

4-inch pots....\$50 per 100

5-inch and 6-inch pots,
\$9, \$12, \$15, \$18 and \$24 per doz.

DRACAENA AMABILIS

2½-inch pots....\$20 per 100

3-inch pots....\$35 per 100

4-inch pots....\$50 per 100

5-inch pots....\$9 and \$12 per doz.

6-inch pots....\$15 and \$18 per doz.

DRACAENA CRAIGII

Small plants, 4-inch pots....\$1 each

DRACAENA TERMINALIS

2½-inch pots....\$10 per 100

3-inch pots, strong plants....\$25 per 100

4-inch pots, strong plants....\$35 per 100

5-inch pots....\$9 per doz.

6-inch pots....\$12 per doz.

DRACAENA BAPTISTII

6-inch pots....\$1, \$1.25 and \$1.50 each

2½-inch pots....\$20 per 100

DRACAENA SHEPHERDII

6-inch pots, heavy....\$12 and \$15 per doz.

DRACAENA GLADSTONEI (Rare)

2½-inch pots....\$20 per 100

4-inch pots....\$6 per doz.

5-inch pots....\$9 per doz.

6-inch pots....\$12, \$15 and \$18 per doz.

DRACAENA GODSEFFIANA

2½-inch pots....\$10 per 100

3-inch pots....\$15 and \$20 per 100

4-inch pots....\$25 per 100

DRACAENA INDIVISA

5-inch pots....\$20 per 100

DRACAENA SANDERIANA

2½-inch pots....\$15 per 100

DRACAENA KELLERIANA

2½-inch pots....\$12 per 100

3-inch pots....\$20 per 100

4-inch pots....\$35 per 100

7-inch pots, made up....\$18 and \$24 per doz.

DRACAENA FRAGRANS

4-inch pots....\$35 per 100

6-inch pots....\$6 and \$9 per doz.

8-inch tubs....\$18 per doz.

10-inch tubs....\$2 and \$2.50 each

Large plants....\$4, \$5 and \$6 each

DRACAENA GUILFOYLEI (Rare)

2½-inch pots....\$20 per 100

4-inch pots....\$6 per doz.

5-inch pots....\$9 per doz.

6-inch pots....\$12 per doz.

DRACAENA TITWORTHII (Rare)

2½-inch pots....\$20 per 100

4-inch pots....\$6 per doz.

5-inch pots....\$9 per doz.

6-inch pots....\$12, \$15 and \$18 per doz.

DRACAENA ANERLEYENSIS (Rare)

2½-inch pots....\$25 per 100

4-inch pots....\$50 per 100

5-inch pots....\$9 per doz.

6-inch pots....\$12 per doz.

DRACAENA IMPERIALIS (Rare)

2½-inch pots....\$20 per 100

4-inch pots....\$50 per 100

5-inch pots....\$9 per doz.

6-inch pots....\$12 per doz.

DRACAENA—MARGUERITE STORY

2½-inch pots....\$20 per 100

DRACAENA—KNERKII

2½-inch pots....\$20 per 100

DRACAENA SUPERBUS

2½-inch pots....\$20 per 100

PHOENIX ROEBELENI

10-inch and 12-inch tubs, specimen plants,
\$10, \$12.50, \$15 and \$20 each

FICUS PANDURATA

6-inch pots, 2½ feet tall....\$2 each

7-inch pots, 3 feet tall....\$2.50 each

8-inch pots, 4 feet tall....\$3 each

10- and 11-in. tubs, 5 feet tall, \$4 and \$5 each

Branch plants....\$2.50, \$3, \$3.50 and \$4 each

PANDANUS VEITCHII

4-inch pots....\$6 per doz.; \$45 per 100

5-inch pots....\$9 per doz.

6-inch pots....\$12 per doz.

7-inch pots....\$18 and \$24 per doz.

8-inch pots....\$24, \$30 and \$36 per doz.

PANDANUS UTILIS

4-inch pots, strong plants....\$25 per 100

6-inch pots....\$50 and \$75 per 100

FICUS UTILIS

6-inch pots, 24 inches tall....\$2 each

Large plants....\$3, \$4 and \$5 each

FICUS CRAIGII

4-inch pots, 15 inches tall....\$35 per 100

6-inch pots, 18 inches to 24 inches tall,
\$6 and \$9 per doz.

BERRIED ACUBAS

8-inch, 10-inch and 11-inch tubs,
\$1.50, \$2, \$2.50 and \$3 each

VARIEGATED ACUBAS

Fine plants for boxes....\$35 per 100

7-inch and 8-inch pots,
75c, \$1, \$1.25 and \$1.50 each

GARDENIA VEITCHII

2½-inch pots....\$8 per 100; \$75 per 1,000

4-inch pots....\$20 per 100; \$180 per 1,000

6-inch pots, in bud and flower, \$9 per doz.

6-inch pots, heavy, in bud, will flower
for Easter....\$12, \$15 and \$18 per doz.

ACAS REVOLUTA LEAVES

Leaves, 36 to 42 inches long....\$3 per pair

Plants, in tubs....\$20, \$25, \$35 and \$50 each

ABIES NORDMANNIANA

7-inch and 8-inch....75c, \$1 and \$1.25 each

Large tubs....\$2.50 each

NEPHROLEPIS SCHOLZELI

2½-inch pots....\$6 per 100; \$50 per 1,000

4-inch pots....\$20 per 100; \$180 per 1,000

6-inch pots....\$6 per doz.; \$45 per 100

8-inch, three-quarter pots,
\$12 per doz.; \$90 per 100

11-inch tubs....\$24 and \$30 per doz.

NEPHROLEPIS ELEGANTISSIMA IM- PROVED

2½-inch pots....\$6 per 100; \$50 per 1,000

4-inch pots....\$20 per 100; \$180 per 1,000

6-inch pots....\$6 and \$9 per doz.

8-inch pots....\$12 and \$15 per doz.

Large plants....\$2, \$2.50, \$3 and \$3.50 each

NEPHROLEPIS TODEAIOIDES

2½-inch pots....\$5 per 100; \$45 per 1,000

4-inch pots....\$20 per 100; \$180 per 1,000

6-inch pots....\$6 and \$9 per doz.

8-inch pots....\$12 and \$15 per doz.

9 and 10-in. tubs, \$24, \$30 and \$36 per doz.

NEPHROLEPIS SMITHII

2½-inch pots....\$8 per 100; \$75 per 1,000

4-inch pots....\$20 and \$25 per 100

6-inch pots....\$6 per doz.

NEPHROLEPIS BOSTONIENSIS

2½-inch pots....\$6 per 100; \$50 per 1,000

4-inch pots....\$20 per 100; \$180 per 1,000

6-inch pots....\$6 per doz.; \$45 per 100

6-inch pots, heavy; \$9 per doz.; \$70 per 100

8-inch pots....\$12 and \$15 per doz.

11-inch tubs....\$2, \$2.50, \$3, \$4 and \$5 each

NEPHROLEPIS ROBUSTA (New)

2½-inch pots....\$8 per 100; \$75 per 1,000

4-inch pots....\$20 per 100; \$180 per 1,000

6-inch pots....\$50 and \$75 per 100

8-inch pots....\$12 and \$15 per doz.

11-inch tubs....\$3 and \$3.50 each

HARDY HERBACEOUS PLANTS.

(Massachusetts Horticultural Society Lecture by W. A. Munda.)

Continued from page 425.

The Old-Fashioned Flower Garden.

This class of garden has been in use for thirty years and upwards. It generally consists of regular, though sometimes irregular beds, in some sort of form or design, yet not too formal, where plants have been planted according to the real home taste fashion, and is cherished not only for its beauty, but for its association, sentiment, etc. These gardens, while generally well kept, were so planted that they never presented a large display nor continuation of flower through the season.

Roses were associated with daffodils, the hollyhocks planted near the fence, with bunches of sweet williams and Scotch pinks in long lines or double and triple lines planted together, with the hardy heliotrope, a bush or two of the Old Man, several clumps of peonies, and with a large plantation of lilies of the valley in a shady place, foxgloves luxuriantly growing in clumps alongside, with larkspurs and patches of hardy pompom chrysanthemums to enliven the fall flowering. These were generally interspersed with bunches of geraniums, heliotropes, and other annual plants, all bespeaking the tender care and affection bestowed by the owner of the ground.

The Modern Garden.

From these old-fashioned gardens, by gradual changes and evolution, came the present flower garden and formal garden, and from them the so-called Italian garden which, however, is only a misnomer. The present-day flower or formal garden is laid out more or less on a regular plan, and the plants arranged so that there would be a succession of flowers from early spring to late fall, or sometimes, according to the taste of the proprietor, arranged either according to seasonal flowering or made into a color scheme. The plants suitable for these purposes are the following:

Achillea millefolia rubra, *millefolia* "Cerulea Queen" and *serrata plena* "The Pearl"; *Agrostemma coronaria*; *Althaea rosea*, double and single; *Anemone Japonica*; *Asclepias tuberosa*; *Boltonia asteroides* and *latifolia*; *Campanula persicifolia*, *persicifolia alba* and *rapunculoides*; *Cassia Marylandica*; *Chrysanthemum* (hardy varieties); *Coreopsis* (Harvest Moon and lanceolata); *Delphinium formosum*, hybrids and *sinense*; *Dianthus barbatus*; *Dicentra spectabilis*; *Dictamnus Fraxinella*; *Digitalis purpurea*; *Doronicum plantaginifolium*; *Echinacea purpurea*, *purpurea* hybrid; *Euphorbia corollata*; *Funkia grandiflora lanceolata* and *undulata variegata*; *Gaillardia grandiflora* hybrids; *Gypsophila paniculata* and *paniculata fl. pl.*; *Helenium autumnale* *superbum*; *Heliopsis scabra*; *Heliopsis multiflorus plenus* and *argyria*; *Heliopsis Pitcherianus*; *Hemerocallis dumortierii*, *flava*, *grandiflora*, *Kwan-so fl. pl.* and *Thunbergii*; *Hibiscus* *resplendens* and *Mallow Marvels*; *Iris* *auria Germanica* in var., *Kaempferi* in var., *Sibirica alba* and *Sibirica sanguinea*; *Lam. arvense* *Nipponicum*; *Lythrum chlorocephala*; *Monarda didyma*; *Oenothera fruticosa*; *Paeonies* herbaceous; *Papaver bracteatum*, *involucratum* and *orientale*; *Pentstemon barbatus*; *Phlox paniculata* in var.; *Physostegia virginica*; *Platyodon grandiflora*; *Pyrethrum roseum* and *uliginosum*; *Rudbeckia Californica maxima*, *Golden Glow*, *Mandarin* and *speciosa*; *Sedum spectabile* and *spectabile rubrum*; *Scabiosa caucasica*; *Spiraea alba* *holboellii*, *filipendula plena*, *Japonica grandiflora* and *palmata rubra*; *Statice latifolia*; *Tradescantia virginica*; *Veronica longifolia subsessilis* and *spicata*; *Yucca filamentosa*.

Rock or Alpine Garden.

This class of gardening is not much

practiced in America as yet, but will come in time, as much as it is in the European countries. The ground to be selected for this should not be in the full glaring sun, but generally near a border of woods, so that a part of this garden would be exposed to the sun, while a part would be partially or quite shaded. Also a part of it could be kept moist, so as to be able to use and accommodate such plants as delight in excessive moisture.

With this class of gardening, plants and flowers of small growth would be lost if planted in large solid beds where they would have to fight for existence along with the tall, hardy and free growing plants, which would run over and smother them. In selecting plants, any of the last mentioned class of plants should be carefully guarded, and not placed in such rock or Alpine garden, and only such plants should be used as are of moderate or slow growth and size, and none that spread and take possession of the ground at the expense of the others.

In preparing such ground, it is not always necessary that it be entirely built of rocks, but old stumps, logs of wood, and any other rustic material can be used to produce a natural rocky or woody effect, and any such material should be so laid and arranged in the ground that it would not give an artificial appearance but be as nearly as possible an imitation of what we find in nature.

The following are some of the leading plants suitable for our climate for this purpose:

Achillea tomentosa; *Ajuga reptans*; *Anemone Japonica*, *Japonica alba*, *Japonica rosea* and *Japonica Whirlwind*; *Aquilegia hybrids*; *Armeria maritima*; *Arrhenatherum bulbosum*; *Campanula Carpatia*; *Cerastium tomentosum*; *Convallaria majalis*; *Coreopsis delphinifolia* and *rosea*; *Dianthus plumarius albus*, *plumarius plenus* and *superbus*; *Dicentra eximia*; *Festuca glauca*; *Iberis sempervirens superba*; *Linum perenne*; *Oenothera fruticosa*; *Papaver nudicaule*; *Phlox amoena*, *subulata* and *subulata atropurpurea*; *Plumbago Larpentae*; *Polemonium coeruleum*; *Primula veris*;

BEGONIAS

FARQUHAR'S TUBEROUS ROOTED

The great value of Tuberous Rooted Begonias for Lawn Beds and Borders is appreciated owing to the continuous production of large and gorgeous flowers.

Single and double varieties in the following colors:—Crimson, Scarlet, Pink, White, Orange and yellow.

Write for Prices

R. & J. FARQUHAR & CO.

6 SOUTH MARKET ST.,

BOSTON, MASS.

Sedum album, *carneum*, *Lydlum* and *oppositifolium*; *Aster* (many varieties); *Convallaria majalis*; *Dicentra eximia* and *spectabilis*; *Euonymus radicans* and *radicans fol. var.*; *Funkia cordata*, *grandiflora*, *Fortunei*, *lanceolata* and *undulata variegata*; *Hemerocallis dumortierii flava*, *Kwan-so fl. pl.* and *rutilans*; *Iris Germanica*; *Pachysandra terminalis*; *Spiraea Japonica*; *Stenanthium robustum*.

In the shady places, plants like the following feel at home, and give an additional variety to the vegetation, and make this class of garden more complete:

Aegopodium podagraria variegata; *Ajuga reptans*; *Aster* (many varieties); *Convallaria majalis*; *Dicentra eximia* and *spectabilis*; *Euonymus radicans* and *radicans fol. var.*; *Funkia cordata*, *grandiflora*, *Fortunei*, *lanceolata* and *undulata variegata*; *Hemerocallis dumortierii flava*, *Kwan-so fl. pl.* and *rutilans*; *Iris Germanica*; *Pachysandra terminalis*; *Spiraea Japonica*; *Stenanthium robustum*.

FAILURE OF CARNATIONS.

Dear Sir:—

I would like if you could explain the failure of my carnations. I grew them from cuttings out in the garden all summer, potted them in four-inch pots in September till the bench was ready for them, in which I put them after chrysanthemums were done, cleaning out the bench. The soil I put in was old sod that I took off the lawn in the spring. It was in a pit. I mixed some sand and rotted cow manure with it and the plants seem in a very good and rooted condition, but they have thrown very few flowers but still look healthy. What few flowers come are not a good form, breaking to one side. Could it be that the soil was sour? I will be glad if you could explain the reason. WAIT.

The trouble with your carnations is late planting. Your soil probably was good, although you need no sand added to it. You will no doubt have a fine crop of flowers too late to be profitable. Never plant carnations for a winter crop later than the 20th of August.

A. A. PEMBROKE.

Beverly, Mass.

The annual chrysanthemum show of the American Institute of the City of New York, will be held on November 3, 4, and 5, 1915, in the Engineering Societies Building, Nos. 25 to 33 West 39th street. Schedule of premiums when ready, will be duly announced. Address communications to Wm. A. Eagleson, Secretary, Board of Managers, 324 West 23rd street, New York.

SPRING BULBS

TUBEROUS ROOTED BEGONIAS

SINGLE-FLOWERING

Crimson, Scarlet, Pure White, Rose, Light Pink, Yellow, Salmon, Orange, Copper or Mixed, all colors.

	Doz.	100	1000
Bulbs, 1¼ in. diam. and up.....	\$0.35	\$2.25	\$20.00
Bulbs, 1½ in. diam. and up.....	.40	2.75	25.00

CALADIUM ESCULENTUM

(Elephant's Ear)

	Doz.	100	1000
6 to 8 in. in circumference, 200 in a case...	\$0.25	\$2.25	\$20.00
8 to 10 in. in circumference, 100 in a case...	.50	3.50	30.00
10 to 12 in. in circumference, 75 in a case...	.75	5.50	50.00
12 to 13 in. in circumference, 50 in a case...	1.00	8.00	75.00
Monsters, measuring 13 in. and upward in circumference, 25 in a case.....	1.50	12.00	

Full cases at 1000 rate

FANCY-LEAVED CALADIUMS

English Collection, the cream of the best sorts.

Extra fine bulbs in 12 varieties.....	\$2.25	\$15.00
Brazilian Collection of 12 varieties.....	1.50	12.00
Mixed Brazilian Varieties.....	1.25	10.00

DOUBLE-FLOWERING

Crimson, Scarlet, Rose, Pure White, Copper-Bronze, Salmon, Yellow, Orange, Light Pink or Mixed, all colors.

	Doz.	100	1000
Bulbs, 1¼ in. diam. and up.....	\$0.50	\$3.50	\$30.00
Bulbs, 1½ in. diam. and up.....	.85	4.00	35.00

GLOXINIA ERECTA GRANDIFLORA

Our strains of Gloxinias are the true, erect-flowering type.

	Doz.	100	1000
Blanche de Vera. White, rose bordered.....	\$0.60	\$3.50	\$30.00
Defiance. Glittering crimson.....	.60	3.50	30.00
Emperor William. Blue, white border.....	.60	3.50	30.00
Etoile de Feu. Carmine red.....	.60	3.50	30.00
Kaiser Frederick. Scarlet, white margin.....	.60	3.50	30.00
King of the Reds. Dark scarlet.....	.60	3.50	30.00
Madame Helene. White, with violet crown.....	.60	3.50	30.00
Marquis de Peralta. White, red bordered.....	.60	3.50	30.00
Mont Blanc. Snow white.....	.60	3.50	30.00
Prince Albert. Deep purple.....	.60	3.50	30.00
Princess Elizabeth. White, bordered blue.....	.60	3.50	30.00
Princess Mathilde. White, with rose crown.....	.60	3.50	30.00
Queen Wilhelmina. Dark rose.....	.60	3.50	30.00
Boddington's Spotted Varieties. These contain the most distinct and remarkable colors.....	.60	3.50	30.00
All Colors Mixed.....	.60	3.50	30.00

Send for Wholesale Catalogue showing full list of all seasonable seeds and bulbs

ARTHUR T. BODDINGTON, SEEDSMAN
342 W. 14th Street, NEW YORK

ONE REASON WHY.

One reason why Robert Craig has outdistanced many other plant growers in the great business he has built up is because he is and always has been a liberal advertiser. Many growers around Philadelphia are just as good growers in some lines, but they don't get their share because they have never been heard of except by their local customers and these local customers take very good care not to give away their sources of supply. Many people seem to think that good goods will sell themselves. They will—in a limited way—but they would bring far better money if the producer knew how to market them. The mistake most of these good growers make is that they think it is not necessary to advertise. More than that—we have known of goods of even very moderate quality being sold by sheer strength of good advertising. James Gordon Bennett put the advertising proposition in a nutshell: "First have a good paper; then make a dam fuss about it."

Mr. Craig felt that he had the finest ever this year for Easter and he has been making a fuss about it, too, so much so that your humble servant had to go and see for himself whether there was any exaggeration. Nothing gives your scribe greater satisfaction than to nail the fellow guilty of saying something interesting, but which on examination isn't so. That's bad grammar, but you know what is meant.

Well, the critical eye had a full and unbiased view, and retired—not with the fire of derogation but lighted like Jim Shea's immortal hippopotamus, "with the love light in her eye," as

Jim passed on his efficient duties through the Boston Zoo.

The Easter lily is, of course, a great feature here, as it has always been, and this year the stock is very fine indeed. Probably next in importance comes the Rambler roses, from the little babies to the big trained specimens. According to Robert, Jr., the best pink one in the "baby" class is Phyllis, while the best red one is Erna Teschendorff. A close second to the latter, however, is Orleans, lighter in tint. Tausendschoen is still the leader in its class and is shown in six and seven-inch pots, as well as trained in fan, globular and pyramidal shapes. Lady Gay and Dorothy Perkins also occupy an important place and are to be seen in profusion, well done in all the popular trained forms. There is a new red one to be had this year—Excelsa—which looks to be a very attractive and valuable addition. Mr. Walsh's Juniata is also a strong feature in this connection. It is considered one of the best of that veteran raiser's introductions.

Many good words have been said about Craig cyclamens during the past twenty years. Little need be added now except to say that they are still the leaders. The same is true of the Lorraine begonias. Here, there is to be seen house after house of the various types of Lorraine—from the parent up, and including the Lonsdale, Cincinnati, the Konkurrent, Florence Davenport and others—all a delight to the eye.

Hydrangeas are a strong feature and big stocks are grown both of the old-fashioned kinds and also of the new

French varieties. Gladstone and Queen Alexandra seem to be the main survivors of our old friend, the spirea. They look fine. Plenty of well-done genistas, from little fellows in three-inch for basket work at fifteen cents, to big specimens at three dollars. Marguerites, azaleas, lily of the valley and other items are seen in profusion, and a special good word must be said for the rhododendrons. These are very shapely and well flowered and include all the best varieties.

In the foliage department the ferns are the great standbys, especially the various beautiful forms of nephrolepis. Next to them the crotons, for which the Craig establishment is famous, having been the pioneer, and, it is safe to say, still the leader. Twelve varieties of dracaenas are grown, the most popular among them being Massangeana and Lord Wolseley, that is, not forgetting the old but ever beautiful and indispensable terminalis.

G. C. W.

POPULAR COLORS IN SWEET PEAS.

Dear Mr. Editor:

Just a line or two to ask you for publication the names of the favorites among the Spencerized winter flowering sweet peas in the Boston market, also the names of those to avoid, or rather the colors of the latter.

FLORA DALE

The pink varieties of Spencer sweet peas are by far the favorites here. Whites and lavenders are used but little, only for floral work. The retail trade is not familiar with the names of particular varieties and specify in terms of color only, calling mostly for pink shades of Spencers.

SEED TRADE

AMERICAN SEED TRADE ASSOCIATION

Officers: President, Lester L. Murree, San Francisco, Calif.; First Vice-President, J. M. Lupton, Mattituck, L. I.; Second Vice-President, F. C. Dungan, Philadelphia, Pa.; Secretary and Treasurer, C. E. Kendeel, Cleveland, O.; Assistant Secretary, S. L. Willard, Jr., Cleveland, O.

Trenton, Mo. A seed store has been opened in the Masonic Building by Harry Witten.

Westburg, N. Y. William Green will open a new seed and fertilizer store on Post avenue in a week or two. The store will be located in Chas. Krupp's store building.

The Boston seed stores continue to report good business, especially in perennials, the "old-fashioned garden" flowers which seem to be coming into favor more than ever before.

The value of horticultural imports into New York for the week ending March 3, is given as follows:

Nitrate of soda, \$50,647; fertilizer, \$4,234; guano, \$4,959; clover seed, \$10,777; grass seed, \$24; trees and plants, \$34,060.

CATALOGUES RECEIVED.

Racine Nursery Company, Racine, Wis.—Wholesale Catalogue, Spring, 1915.

Taylor Instrument Companies, Rochester, N. Y.—Catalogues or Thermometers and other Scientific Instruments for Orchards, Nurseries, Greenhouses, Etc.

David Herbert & Son, Atco, N. J.—Seeds, Bulbs and Plants for 1915. Devoted mainly to dahlias which are finely illustrated. A beautiful color plate of Dahlia Delice is an attractive feature.

Harry A. Bunyard Co., Inc., New York—Spring, 1915 Catalogue of "The Uptown Seed Store. Seeds, Bulbs and Garden Supplies. This is the first catalogue of this new establishment. It is creditably gotten up, well arranged and Mr. Bunyard is to be congratulated that he has accomplished so much in so brief a time.

"PERNICIOUS ADVICE."

Can't something be done to check the idiotic twaddle that appears in the lay press scribbled by people who are ignorant of horticultural matters? What with novelists urging the British public to send all their orders for begonias to Holland in order to benefit the Belgians, and city gents urging folks to grow potatoes in villa and cottage gardens instead of flowers, and equally pernicious advice from other equally incompetent meddlers, the nursery and seed trade of this country would appear to be the doormat of any individual who would walk into the limelight as directors of other people's philanthropy. One wonders how the papers that publish these haveerings can have the cheek to tout for the advertisements of the trade that stands to lose through such unfair and unwise recommendations.—*Hort. Trade Journal*, London.

Obituary

Alexander Proctor.

Alexander Proctor, superintendent on the estate of Mrs. H. S. Barrick at Hicksville, L. I., N. Y., died of pneumonia on March 20. He was a brother of Thomas Proctor of Lenox, Mass.

Mrs. Edward McMullin.

Mrs. Ed. Mac Mullin died on Friday, March 19, at St. Elizabeth Hospital, Brookline, Mass. At the funeral on Monday many beautiful floral tributes were seen. She was a most estimable lady.

William B. Paterson.

William B. Paterson, one of the best known Southern florists, died at his home, Montgomery, Ala., suddenly on March 16. He was born in Scotland in 1819 and came to this country in 1866. He entered the florists' business in 1894. He is survived by five children. The business will be continued under the name of the Rosemont Gardens.

Mrs. Hosea Waterer.

Mary Meredith Waterer, wife of one of Philadelphia's well known seedsmen and nurserymen, passed away on the 20th inst. very suddenly from an attack of pneumonia. Mrs. Waterer was a Philadelphia lady and was greatly esteemed in her circle as wife, mother and all that goes to make the halo of true womanhood. She is survived by her mother, husband and two sons. The sympathy of the trade goes out sincerely to them in their irreparable loss.

William Hatcher.

William Hatcher, gardener and florist, and one of the oldest residents of the District of Columbia, passed away last week at his home on Harewood road, Washington, where he had resided for more than forty years, following an attack of pneumonia. Mr. Hatcher was born in England about eighty-six years ago and came to this country when fifteen years of age. He retired from active work about three years ago, but during the preceding thirty years he was employed as gardener and florist at the Soldiers' Home in this city, where two sons are at present employed. He is also survived by his widow. Burial took place in Rock Creek Cemetery.

Elizabeth, N. J.—Fire of unknown origin destroyed the packing-sheds and two storage warehouses of the Elizabeth Nursery Company in King street on Saturday night, March 2. The loss, estimated at about \$30,000, is partially covered by insurance. In addition to a great number of valuable plants and shrubs stored in the warehouses, a large quantity of material used in packing was destroyed in the packing sheds. A Maxwell car and a wagon were burned. Many trees planted near the buildings were killed by the heat.

Asparagus Plumosus Nanus Seed

NEW CROP

NORTHERN GREENHOUSE GROWN

1,000 Seeds	\$3.50
5,000 "	15.50
10,000 "	30.00
25,000 "	72.50

LATHHOUSE GROWN

1,000 Seeds	\$2.50
5,000 "	12.00
10,000 "	23.00
25,000 "	52.50

ASPARAGUS HATCHERII

100 Seeds	\$1.00
500 "	3.25
1,000 "	6.00

Also all other Seasonable Seeds, Bulbs and Supplies for the Florist.

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S. S. SKIDELSKY & CO.

BULBS, PLANTS and SEEDS

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MY NEW LIST OF

Winter Spencer Sweet Pea Seed

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Just arrived, in fine condition, including HYBRID PERPETUALS, HYBRID TEAS and CLIMBERS. Ask us for names and prices.

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Seeds with a generation of finest flowers and vegetables back of them—carefully selected—really tested.

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BLUE LIST OF WHOLESALE PRICES
MAILED ONLY TO THOSE WHO PLANT
FOR PROFIT.

JOHN BAER—HIMSELF

Gives a Friendly But Earnest Notice

— TO HIS —

Friends and Fellow Market Gardeners

Baltimore County, Maryland
March 2nd, 1915.

I hereby inform my many friends, the Market Gardeners, Cannors and the public in general, I have placed my entire supply of "John Baer" Tomato Seed which I personally grew and selected, with J. Bolgiano & Son of Baltimore, Maryland. Any seed offered by any other source is not my production and I cannot feel morally responsible for the results it may produce:

I have given this tomato my greatest care and attention for many years and take pride in seeing that my fellow Market Gardeners are getting only seed that truly represents the results of my lifework.
(Signed) JOHN BAER.

Pkts., 50c.; ¼ oz., 75c.; oz., \$2.00;
¼ lb., \$7.50; lb., \$25.00.

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M. W. Williams, Sec'y

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Growers For Wholesale Dealers
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S. BRYSON AYRES CO.

"Renowned Sweet Pea Specialists"

SUNNYSLOPE, INDEPENDENCE, MO

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FLOWERFIELD, L. I., N. Y.



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Originator of The World Famous Tomato
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Seedsmen requiring the very best selections of

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Wholesale Seed Growers

LANGPORT, SOMERSET, ENGLAND

Special quotations on application

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	100	1000
Blushing Bride	\$0.75	\$6.00
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SEEDS FOR PRESENT PLANTING

BEGONIAS, ANTIRRHINUMS,
STOCKS, LOBELIAS,
VERBENAS, ETC.

THOS. J. GREY CO.

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GARDEN SEED

BET, CARROT, PARSNIP, RADISH and GARDEN PEA SEED in variety; also other items of the short crop of this past season, as well as a full line of Garden Seeds, will be quoted you upon application to

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FOR FLORISTS

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288 Sheets Paper.....			1.50
114 Sheets Paper.....			4.00

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Interior of one of our fern houses, displaying some of our stock of Boston, Whitman Improved, fronds is higher and more grace of the plant a little more compact, true to the type and slow IMPROVED WHITMANIA—\$5 per 100—\$10 per 1,000—250 at 1,000 rates. ROOSEVELTIS—\$5 per 100—\$10 per 1,000—250 at 1,000 r.



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Whitmanii Compacta and Roosevelt ferns. We would call your attention to our improved Whitmanii. The
 little reverting. Same price as old Whitmanii. Below we quote you on our 24-inch stock.
WHITMANII COMPACTA—\$5 per 100—\$1 per 1,000—250 at 1,000 rates.
BOSTONS—\$1 per 100—\$35 per 1,000—250 at 1,000 rates.

Henry H. Barrows & Son
 WHITMAN, MASS.



AT HOTEL ASTOR, SATURDAY EVENING, MARCH 20TH

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NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

*Cost of Cables Foreign Deliveries**Must be prepaid*

Reference or cash must accompany all orders from unknown correspondents.

Cable Address, ALEXCONNELL.

G. E. M. STUMPP

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DAVID CLARKE'S SONS

Deliver orders from any part of the country to

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Write or Telegraph

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M. E. Cor. 44 St. & Madison Avenue, N. Y. City
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Flowers shipped on all Steamers. Special Correspondence in all the large cities of Europe and the British Colonies. Telegraph and Cable address, Dards.

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We Guarantee Satisfaction

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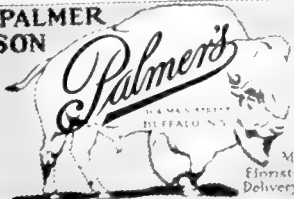
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Choicest cut flowers and designs for all occasions. Steamer and theatre flowers a specialty.

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"FLOWERS BY TELEGRAPH"**W.J. PALMER & SON**

Members
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S. A. ANDERSON

440 Main St., Buffalo, N. Y.

ANDERSON service means fresh, sturdy stock, and prompt deliveries in BUFFALO, LOCKPORT, NIAGARA FALLS and WESTERN NEW YORK.

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Of Interest to Retail Florists

A little silken green shamrock boutonniere with miniature clay pipe attached was the St. Patrick's Day souvenir given out by Ollie B. Coombs of Jamaica, N. Y. He distributed over two hundred gross of them on that day and they made a very popular advertising medium, orders amounting to much more than their entire cost being a direct result.

The struggle of the florists dealing with the exclusive society trade to get away as much as possible from material which has become abundant and consequently common is well displayed in the flowers given prominence in their window displays. Beautiful clematises in pots and big spikes of rich blue perennial larkspurs were the central objects in the window of Wadley & Smythe when we passed their Fifth avenue store in New York recently.

NEW FLOWER STORES.

Lima, O. E. N. Zetlitz.

Michigan City, Ind.—A. C. Reicher, 607 Franklin street.

Albany, N. Y.—John Tracy, Clinton avenue and Broadway.

Indianapolis, Ind.—Pandell, the Florist, E. Washington street.

Pomona, Cal.—California Rose Co., 721 K street, Sacramento, Cal.

Chestnut Hill, Phila., Pa.—Mrs. Smith, 8428 Germantown avenue.

Minneapolis, Minn.—Gopher Flower & Candy Co., 40 Seventh street south.

Santa Cruz, Cal.—Mrs. Lillian E. Banta, The Flower Shoppe, 17 Sequel avenue.

Astoria, Ore.—The Sunset Florists, Sunset Theatre building, Commercial street.

Cambridge, Mass.—John J. Burns, Massachusetts avenue, near Central square.

Baltimore, Md.—Miss Anna Muth, 1137 W. Baltimore street, succeeding Wm. Terry.

Washington, D. C.—Wm. E. Smith, Eastern Flower Shop, 328 H street northeast.

La Fayette, Ind.—Miss M. S. Andress and Mrs. John E. Burke, Hotel Fowler, after April 20th.

Chicago J. J. Sullivan, 61st street and Prairie Ave.; E. C. Ulrich, 2833 Milwaukee Ave.

New Bedford, Mass.—Friends of Mr. Richard Nofftz will be glad to learn that though the block of buildings on William street in which his attractive little flower shop is situated is to be rebuilt, he will not be obliged to move. The walls of the new structure are to be built around his place.

JOHN BREITMEYER'S SONS

Cor. Broadway and Gratiot Aves.

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Artistic Designs . . .**High Grade Cut Blooms**

We cover all Michigan points and good sections of Ohio, Indiana and Canada. Members Florists' Telegraph Delivery Association.

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The largest cut flower store in America orders for the TWIN CITIES and for all Northwestern points given prompt attention.

HOLM & OLSON, Incorporated ST. PAUL, MINN.**RANDALL'S FLOWER SHOP****HARRY I. RANDALL, Proprietor.**

Phone: Park 94

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Flowergram or Mail Orders from florists
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Will take good care of your orders

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Auto delivery of Designs and Flowers to
any address in Washington.

Stock and Work First Class

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PLANTSMEN

TARRYTOWN ON HUDSON, - N. Y.

ALBANY, N. Y.

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Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

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NOTICE INITIALS. We have one store only

The Far-Famed Flowers of
TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

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Flowers by Telegraph

Leading Retail Florists Listed by
Towns for Ready Reference. Orders
transferred by telegram or otherwise
to any of the firms whose address is
here given will be promptly and prop-
erly filled and delivered.

Albany, N. Y.—Danker.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.

Albany, N. Y.—The Rosery, 23 Steuben St.

Boston—Thos. F. Galvin, 1 Park St.

Boston—Penn, the Florist, 37-43 Brom-
field St.

Boston—Zinn, the Florist, 1 Park St.

Buffalo, N. Y.—S. A. Anderson, 440 Main
St.

Buffalo, N. Y.—Palmer's, 304 Main St.

Chicago, Ill.—Schiller the Florist, George
Asmus, Mgr.

Chicago—William J. Smyth, Michigan
Ave. and 31st St.

Cleveland, O.—J. M. Gasser Co., Euclid
Ave.

Cleveland, Ohio—Adam Graham & Sons,
5523 Euclid Ave.

Denver, Col.—Park Floral Co., 1649
Broadway.

Detroit, Mich.—J. Breitmeyer's Sons,
corner Broadway and Gratiot Ave.

Houston, Tex.—Kerr, The Florist.

Kansas City, Mo.—Samuel Murray, 913
Grand Ave.

New London, Conn.—Reuter's.

New York—David Clarke's Sons, 2139-2141
Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—Young & Nugent, 42 W. 28th.

New York—Dards, N. E. corner 44th St.
and Madison Ave.

New York—Max Schling, 22 W. 59th St.

New York—G. E. M. Stumpp, 761 Fifth
Ave.

New York—Thos. F. Galvin, Fifth Ave.,
at 46th St.

New York—J. H. Small & Sons, 1153
Broadway and Waldorf-Astoria.

New York—Myer, 609-611 Madison Ave.

New York—A. T. Bunyard, 413 Madison
Ave.

Norwich, Conn.—Reuter's.

Omaha, Neb.—Hess & Swoboda, 1415
Farnum St.

Rochester, N. Y.—J. B. Keller Sons, 25
Clinton Ave., N.

St. Louis, Mo.—Fred C. Weber, 4326-28
Olive St.

St. Paul, Minn.—Holm & Olson, Inc.

Tarrytown-on Hudson, N. Y.—F. R. Pier-
son Co.

Toronto, Can.—J. H. Dunlop, 96 Yonge
St.

Washington, D. C.—Gude Bros., 1214 F
St.

Washington, D. C.—F. H. Kramer, 915
F St., N. W.

Westerly, R. I.—Reuter's.

Worcester Mass.—Randall's Flower Shop,
3 Pleasant St.

PERSONAL.

Tom Windram of Cincinnati has re-
turned from Leesburg, Fla.

Henry Murphy, a florist, of No. 5205
Fifth avenue, Brooklyn, N. Y., is now
confined to his home suffering from an
attack of pneumonia.

The Fox Hall Farm Co., of Norfolk,
Va., have announced the fact of their
withdrawal from the plant business.

Penn The Florist

"The Telegraph Florist"

Member of Florists' Telegraph Delivery

37-43 Bromfield St., Boston, Mass.

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NEW YORK

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22 West 59th Street, adjoining Plaza Hotel

Best Florists in the States as References

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Members of the Florists Telegraph
Delivery.

REUTER'S Members Florists
Telegraph
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STORES IN

New London and Norwich, Conn.
and Westerly, R. I.

We cover the territory between

New Haven and Providence

Transfer your orders for flower or
plant deliveries to

ZINN The Florist
4 Park St., Boston

HESS & SWOBODA

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OMAHA, NEB.

THE J. M. GASSER COMPANY,

CLEVELAND

Euclid Avenue

Kerr **ORDERS
FOR
TEXAS**

The Florist HOUSTON, TEXAS

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PARIS

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EASTER DELIVERIES

IN BOSTON AND NEW YORK

We are prepared to deliver in good shape, flowers, plants, or made up work as ordered. Florists at a distance may transfer their orders by mail, telegram or 'phone to us with a certainty of prompt and careful attention.

THOMAS F. GALVIN, Inc.

1 PARK STREET

COPLEY PLAZA HOTEL

BOYLSTON & FAIRFIELD STS.

BOSTON, MASS.

Also THOMAS F. GALVIN, Inc., Galvin Building, 561 Fifth Avenue, New York

NEWS ITEMS FROM EVERYWHERE

BOSTON.

H. J. Borowski & Sons, of Roslindale had a fine exhibit of cyclamen at Horticultural Hall.

The popular demand for baskets is well shown by the shipments at the big wholesale houses of Welch Bros. and N. F. McCarthy.

B. F. Snyder & Co. and the New England Florist Supply, two young supply dealers, report good progress for their first year's business.

Alex. Coplen, Boylston street, has one of the smallest stores in the city, but it is advantageously located in a rapidly improving district.

Heard at the Flower Show: "Aren't these tulips lovely?" Oh, yes, but they're not Darwins." The Darwins are rapidly forging to the front.

The new cyclamen, "North Shore," exhibited by Mrs. Lester Leland, of Manchester, Mass., attracted much attention at the Boston show. This is a seedling from Rosy Morn \times Giant Pink.

Some specialties noted in the flower market this week are Winsor carnations, from H. H. Rogers, of S. Sudbury; single violets, from Ed. Bingham, of Dedham; pot schizanthus, from J. Foote, of Reading, and Spanish iris, from Frank P. Putnam, of N. Tewksbury. The finest American Beauty roses seen for a long time are now being cut by the Budlong Rose Co. They are beautiful, stately specimens, topping seven feet in many cases.

WASHINGTON.

Fred H. Kramer has had his store filled with visitors during the week, this being the time of his annual spring show. The stock on exhibition is exceptionally fine and well worthy of mention.

Charles Scarborough was in charge of the Gude Bros., exhibit at the New York show. Donald Malcolm, with the same concern, has returned from a two weeks' visit in Rochester, New York City and Philadelphia.

Following a custom of many years, Gude Bros. Company have made a special display of their Easter lilies at the Anacostia houses for the benefit of the public. On Sunday they showed more than 15,000 lilies to a large crowd of people.

The Washington Floral Company has taken possession of its new quarters on Fourteenth street, northwest. This firm has succeeded to the business of the former Washington Florists' Company. The store is an attractive one. On the opening day a fine display was made of Bonfire, Gloriosa and other carnations produced by them and a fine lot of roses from their greenhouses.

The Interstate Commerce Commission has granted the express companies' petition for a rehearing of the express rate case, following the claim made by the latter that the present rates are proving disastrous. The date for the hearing has not yet been set but a case is being worked up here with respect to the rates on plants in pots to be presented at the proper time. William F. Gude has requested that it be announced in HORTICULTURE that he is very desirous of obtaining all data possible bearing on the subject and suggests that those interested forward to him such material as may be accumulated at the earliest possible moment.

SAN FRANCISCO

The California Rose Co., of Pomona, Los Angeles County, Cal., has opened a store at 721 K street, Sacramento.

Sacramento, Cal., school children held a bulb exhibition at the offices of Superintendent of Schools Hughes in the Sacramento city hall on Saturday, March 13th. Prizes were awarded for the best flowers, the children having raised the bulbs at home.

Arrangements have been concluded for the holding of a floral pageant in San Francisco on May 29th as a special feature of Sacramento Day at the exposition. The committee in charge of the event is composed of George M. Treichler, Major P. J. Harney and Wm. A. Meyer.

Domoto Bros. are sending in some nice gardenias which are being well received. They are only the second growers who have been successful in growing gardenias here, the first and long the only one in the field being the E. W. McLellan Co., which has lately been bringing in an unusually fine cut of these flowers.

PITTSBURGH.

George Marshall, of the McCallum Company, is still confined to his home by illness. Fortunately, Karl Klinke, the credit man for the firm, is again able to be on duty.

Ray J. Daschbach has received the contract for decorating the new Rosenbaum store, the opening being the important mercantile event of Easter week. Mr. Daschbach's work will include ten floors.

Mr. and Mrs. John Werner, of Knoxville, have the sympathy of their friends in the recent loss of their sixteen-year-old son, whose death took place last Sunday, the interment being Tuesday morning.

That "it is an ill wind that blows nobody good" has been emphasized during the past week in the unusual demand for hospital and funeral work for pneumonia victims. Pink ramblers were lavishly used in the single Lenten wedding of the week, the Weaklin Company doing the work. The arched doorways and windows were outlined with the ramblers, which also formed the background for the bridal party.

The Beckert Seed Company have an attractive window display of varicolored bulb plants, with a window-box border of grass, just appearing. Augustus Frishkorn, the manager, reports their work is just about the same as during previous seasons, notwithstanding the general financial depression. He attributes this to the "Back to the Soil" movement, together with the fact that many unemployed men are making the best of a bad matter by making gardens during their idleness.

Samuel McClements and Ed. C. Reineman expect to attend the convention in San Francisco, and, incidentally, the Panama-Pacific Exposition. Mr. and Mrs. H. E. Graves, who are also prospective visitors, are planning to leave in July. Some one who recently asked Superintendent William Falconer, of the Allegheny Cemetery, if he were going to take this trip, was answered in characteristic fashion, "Why, child, WHERE would I get the money?" So: "to him that hath shall be given" to see the Panama-Pacific Exposition.

Word has just been received from New York that H. C. Frick has decided

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611 FIFTH AVENUE, - Corner of 49th Street
NEW YORK CITY

Cable Address, ALEXCONNELL

Reference or cash must accompany all orders from unknown correspondents

In Writing Advertisers Kindly Mention HORTICULTURE.

to close his greenhouses at "Clayton," his Pittsburgh home. During their eighteen years' existence, these greenhouses have been in charge of David Fraser who came from the east for this purpose. For some years they were open to the public with Easter and Chrysanthemum shows, but these special features were abandoned several years ago. Dr. John Fremont Shafer, a connoisseur in orchids, has also decided to close his conservatory at his home in South Negley avenue, and to that end is disposing of his stock.

E. M. McCarthy is the inspirer for the handsome floral decorations which appear from time to time with the Joseph Horne Company. The spring opening was marked by an exceptionally attractive display, the plants and flowers, as usual, being furnished by the A. W. Smith Company, under the supervision of Mr. King. The white Grecian supporting columns were gracefully hung with hothouse smilax, with just here and there a touch of floral color, while the huge bronze circular radiators in the front of the store temporarily formed a broken column of primulas, genistas and cinerarias. Surmounting each was a splendid specimen of cibotium fern.

CHICAGO.

There is a meeting as we go to press of the joint committee appointed to represent the Chicago Florists' Club and the Cook County Florists' Association, with the idea of their again becoming one club.

The making of vacant city lots into

gardens is being taken up this year much more extensively than before. The project is two-fold, to afford the opportunity to the industrious to raise their vegetables and flowers and create a love for such work in their children and to beautify the city by keeping the vacant lots in order. The plan is to employ a gardener who will direct the work and money has been pledged for this purpose and for purchasing seeds.

Whether Lincoln Park shall have erected in it an armory for the First Cavalry, Illinois National Guards, or not, shall be left to the people, is the decision of the Governor. The park is the most centrally located of the large reservations and is visited by thousands of people daily during the entire summer. On Sundays whole families spend the day there and to many children this is the only playground they ever know and there is room for armories in other parts of the city. It is to be hoped that the protests of the people will save Lincoln Park from any encroachments for it is none too large for the use of the people now and the rapidly increasing population of the

city makes it desirable to save every foot of this park, which is so close to the downtown district.

Easter Stock.

In calling upon the growers of Easter stock one finds the usual diversity of opinion among them as to the quantity actually to be depended upon. Sunshine seems to be the most desirable adjunct. One thing is certain, there are a great many short lilies this year, too short to be counted as first-class stock and no amount of sunshine will change that fact. It is not possible that there will be an excess of good medium lilies for this market unless they are shipped in from a considerable distance. Azaleas are having to be culled more sharply than usual, so many coming shy of blooms. Rhododendrons are showing up well and will be just right for the big holiday. Roses differ somewhat this year in that the big trained ones will be few. There is a nice stock of the smaller plants and indications are that the rose plants will be as popular as ever. Bulbous stock in pans will still be in prime condition. Yarrowa a new New Zealand sweet pea is just coming into this market. The first bunch was received by the Amling Co., this week. It is a delicate blending of pale pink and white and the petals are deeply fluted. Manager Michaelson is pleased with its appearance and thinks something worth while has been added to the sweet pea varieties now grown.



Real Butterflies

Moths, Beetles, etc., mounted on pins for floral decorations of every description. Largest stock in America. Write for prices.

The New England Entomological Company
366 Arborway, Jamaica Plain, Mass.

LILIES FOR YOU!

Notwithstanding the Early Date of Easter Our Lilies will be of the Same High Grade that we Have Been Furnishing in Years Past

We pack in Boxes of Twenty-five Pots each, Nicely Crated over the Top. Our Packing is Undoubtedly the BEST IN THE UNITED STATES. Average 5 Flowers to the Pot. One Extra Plant, gratis, in each crate.

Prices in case lots, 12c. per Flower or Bud. ORDER EARLY so that we may be able to Ship Them Direct from the Greenhouses Without Rehandling.

We carry a full line of Fresh Choice Flowers, all varieties, and the largest stock of Florists' Supplies, Artificial Flowers and Foliage in New England

ROSES OUR SPECIALTY

The Killarneys, Richmond, Cardinal, Killarney Queen, Maryland, Russell, Ophelia, Hadley and all the popular Novelties in all grades and prices.

FLORISTS' SUPPLY DEPARTMENT

Easter Baskets, Vases, Novelties in All Lines.

Plant Auction Sales for Spring Season will begin early in April if shipments arrive, and thereafter each Tuesday and Friday until June

N. F. McCARTHY & CO.

Wholesale Florists and Supply Dealers 112 Arch & 31 Otis Sts., BOSTON

TELEPHONE—MAIN 5972, 5973, 5974, 5902

CLUBS AND SOCIETIES

THE LANCASTER COUNTY FLORISTS' CLUB.

At the last meeting a report was heard from the Glad Hand and Sunshine Committee in regard to Ladies' night for April 15. Their report called for a banquet at the Stevens House and the committee consists of Ira Landis of Paradise, S. Rutter Hess of Gap, J. Wade Galey and Chas. B. Herr of Strasburg. They will be ready with the Glad Hand for any visiting florists and will endeavor to extend sunshine into the affair from 7 P. M. to any old hour they may decide to quit. The decorations will be voluntary and no doubt profuse.

Elmer Weaver gave a talk on the trip to Philadelphia and his little journey into Chester County the next day. Charles Grakelow then gave us an excellent impromptu talk on our business in general and it was without question the best and most profitable evening we have ever had. There was not one who did not go home with some good new ideas under his hat and if we could have had all the retailers instead of two of them the flower trade would have had an impetus here that would have been felt keenly. As it is I am afraid these two who were present will get all the trade; they at least got all the ideas for getting trade.

It is unfortunate for the rest of the world that this talk was not in the

shape of a paper to be printed. Mr. Grakelow brought out strongly the benefit to be gained by and the necessity to have a strong personality in this business. He also brought out the necessity of getting away from the stereotyped forms of advertising and putting out advertising with what he calls a punch to it. He spoke of the department store features of our business and pointed out the necessity of our being able to meet this sort of competition as well as that of the street men. Our president was so deeply impressed with the talk that he started to make a motion himself to give the speaker a vote of thanks, but was headed off by the writer and Mr. Grakelow was not only given a vote of thanks, but actually had them from every member present.

After the meeting, under the leadership of George Goldbach a bowling league was formed and the first evening was spent in rolling duck pins with scores ranging from 64 to 110. Some of these days we are going to start out after the world's record.

ALBERT M. HERR.

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The next meeting of this club will be on April 20, at which time H. Howard Pepper of the Industrial Trust Company of Providence, R. I., will address the members on "Some Facts About Banking that Some Florists Ought to Know."

A SOUTHERN INVITATION.

R. C. Kerr, president of the Texas State Florists' Association has addressed the following letter to all members of the S. A. F. Executive Board:

Dear Fellow Director:—

The florists of Texas are very desirous of meeting the President and Board of Directors of the S. A. F. at their Convention at Ft. Worth, the second Tuesday and Wednesday, July 13 and 14th; and as President of this organization I extend to you an urgent invitation to be present at our second annual Convention.

We feel that you should make this trip and be present, as we know you are vitally interested in the Southern Florists, and we want to demonstrate to you what is being done in the South. We predict this will be the largest gathering of florists ever held outside of the S. A. F. Convention.

I sincerely trust that you will see fit to take advantage of this opportunity to visit Texas. We will have an interesting program, and we are sure you will be repaid for your trouble and expenses.

CLUB AND SOCIETY NOTES.

A. Cowee will offer a \$10 gold piece as a prize for the best fifty spikes of gladiolus Peace shown by a gardener or amateur at the Newport Show.

The Retail Florists' Association, St. Louis, held its monthly meeting at the Washington Hotel on March 15. The meeting was not as well attended as was expected. The few present worked out a credit system plan which will come up for action at the next meeting.

A SHIPPING CENTRE

Albany, New York, is the logical distributing centre for a very large flower consuming section. Facilities for transportation, north, east, south and west are unexcelled, and when to this fact we add a first class supply and a thorough knowledge of the wholesale flower shipping trade, you can understand that the

ALBANY CUT FLOWER EXCHANGE

is well equipped to fill a demand. So, if you want

Flowers, Greens or Supplies for EASTER or Any Other Time

the right place, the right goods, the right service at the right time, are now at your disposal. **ORDER EARLY** and you can include all the popular **ROSES** and **CARNATIONS**, **LILIES**, **LILY OF THE VALLEY** and **BULB STOCK**, **VIOLETS**, etc.

THOMAS TRACEY, Mgr. ALBANY, N. Y

NEW YORK FLORISTS' CLUB.

The annual banquet of the New York Florists' Club took place at the Hotel Astor Ball Room on Saturday night, March 20, and was a glorious success in all respects. About 250 guests were present, fully one half being ladies. The tables were attractively adorned and the walls draped with southern smilax by the hotel floral decorator. President H. A. Bunyard managed the affair in his inimitable manner. Speech making was purposely limited to a few so as to leave plenty of time for dancing and when it became time to make a break the job was accomplished by letting loose a number of toy balloons, which did the job instantaneously.

The most interesting events of the evening were the presentation to the retiring president William Duckham, of a handsome silver table service and to Secretary John Young a \$300 diamond ring in recognition of his 25th anniversary as secretary of the club. Souvenir Japanese fans, etc., were distributed to the lady guests.

PHILADELPHIA SPRING SHOW.

This annual spring event took place this week Tuesday, Wednesday and Thursday. The exhibits were mostly bulbous flowers for prizes offered by the seedsmen. There was not a great deal of difference from previous years except that the exhibits were rather fewer. No feature can be mentioned that was of more than local interest.

Burpee made a fine exhibit of new

winter flowering Spencers among them Yarrowa and eight Fordhooks; rose, primrose, lavender, light pink, Routzahn pink and white Countess and Sankey, for which they were awarded the societies' certificate of merit.

BOSTON COMPLIMENTS NEW YORK.

I have never seen in this country a more successful horticultural show than the one just closed in New York. The quality and arrangement were far above the ordinary. The rose gardens and cut roses of the A. N. Pierson Co., and F. R. Pierson Co., and the orchids of Lager & Hurrell and Julius Roehrs Co., were the outstanding features. The carnation display of the Cottage Gardens on Wednesday, and the sweet pea classes on Saturday were also fine. Entries for the carnation classes on Friday were not heavy, but the grades of flowers was exceptionally good. In fact everything in the show was worthy of admiration. An exhibition of such beautiful things must be a revelation to the public.

The committee in charge of arrangements wisely chose the majority of their judges from a distance, and their awards gave general satisfaction. We in Boston can learn some good things from New York.

A. A. Pembroke.

Beverly, Mass.

PACIFIC COAST FLOWER SHOW.

The spring flower show, under the auspices of the Pacific Coast Horticultural Society in conjunction with the Department of Agriculture of the Panama-Pacific Exposition, opened at the Palace of Horticulture on the exposition grounds on March 19th to continue for three days. It is one of the finest shows of its kind ever given in this city and the participation is quite general. Practically all the growers in the San Francisco Bay district are represented; the retailers have entered excellent exhibits, and some displays of note are being made by amateurs. A good many fine exhibits are included besides the ones entered for prizes. Among these is a general display by C. C. Morse & Co., principally of bulb stock; several varieties of roses, including some long-stem Beauties, by the E. W. McLellan Co., and a big display of flowering plants and shrubs by the MacRorie-McLaren Co. The exhibits are arranged in three classes, prizes being offered on 45 different numbers.

New York Florists' Bowling Club, Thursday, March 18, 1915.

J. Miesem	181	201
J. Tenrich	162	165
P. Jacobson	151	158
H. C. Riedel	173	182
W. P. Ford	162	167
J. Donaldson	173	166
E. Niquet	165	187
C. W. Scott	152	168
A. J. Guttmann	176	156

Cut Flowers for EASTER

**BEAUTIES, CARNATIONS, ROSES, WHITE AND LAVENDER LILAC
SNAPDRAGON, GARDENIAS, CATTLEYAS**

and everything in season we expect to have in ample quantity to fill all orders. Depend on us for your supply and place your order as early as possible. Our Easter Price List is ready now and will be mailed to you on request.

THE LEO NIESSEN CO.
PHILADELPHIA, PA.

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FLORISTS
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MADE
BY THE

Boston Florist Letter Co.

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N. F. McCarthy, Mgr.

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Script Letters, \$3.00 per 100.

Order direct or buy from your local
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10,000....\$1.75. 50,000....\$7.50. Sample free
For sale by dealers.

E. G. HILL CO.

Wholesale Florists

RICHMOND, IND.

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Supply of Best Cut Flowers all the Year Around
72-74 EAST RANDOLPH ST., - - - CHICAGO.

If interested, send us your name and address for our weekly price list.

WELCH BROS. CO.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE
SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI March 22		CHICAGO March 22		BUFFALO March 22		PITTSBURG March 15	
Roses								
Am. Beauty, Special.....	40.00	to 5.00	40.00	to 5.00	40.00	to 5.00	35.00	to 50.00
" " Fancy and Extra.....	15.00	to 25.00	30.00	to 40.00	.....	to 30.00	25.00	to 35.00
" " No. 1.....	18.00	to 12.00	10.00	to 25.00	15.00	to 20.00	15.00	to 25.00
Killarney, Richmond, Extra.....	7.00	to 8.00	8.00	to 12.00	8.00	to 10.00	8.00	to 12.00
" " Ordinary.....	3.00	to 5.00	3.00	to 5.00	3.00	to 5.00	3.00	to 6.00
Hillingdon, Ward, Sunburst, Extra.....	6.00	to 10.00	6.00	to 10.00	7.00	to 8.00	8.00	to 10.00
" " Ordinary.....	3.00	to 5.00	3.00	to 5.00	4.00	to 6.00	3.00	to 6.00
Maryland, Radiance, Taft, Extra.....	7.00	to 8.00	6.00	to 10.00	6.00	to 8.00	6.00	to 10.00
" " Ordinary.....	3.00	to 5.00	3.00	to 5.00	4.00	to 6.00	4.00	to 5.00
Russell, Hadley, Ophelia, Mock.....	4.00	to 8.00	6.00	to 25.00	.....	to 6.00	6.00	to 25.00
Carnations, Fancy.....	3.00	to 4.00	2.00	to 3.00	2.50	to 3.00	3.00	to 4.00
" " Ordinary.....	2.00	to 3.00	1.00	to 2.00	1.50	to 2.00	1.50	to 2.00
Cattleyas	5.00	to 7.00	35.00	to 50.00	40.00	to 50.00	40.00	to 50.00
Lilies, Longiflorum	10.00	to 15.00	8.00	to 12.00	8.00	to 12.00	10.00	to 15.00
" " Rubrum.....	4.00	to 10.00	.....	to 5.00	4.00	to 6.00	4.00	to 6.00
Lily of the Valley.....	.....	to 4.00	3.00	to 4.00	.....	to 4.00	3.00	to 4.00
Daisies.....	.....	to 2.00	.....	to 1.00	1.00	to 1.50	1.00	to 2.00
Violets.....	.....	to 1.00	.....	to .50	.40	to .50	.30	to .50
Snapdragon.....	8.00	to 12.00	6.00	to 8.00	4.00	to 6.00	8.00	to 10.00
Narcissus, Paper White.....	2.00	to 4.00	1.00	to 2.00	2.00	to 2.50	.....	to 2.00
Freeseas.....	2.00	to 4.00	2.00	to 3.00	2.00	to 3.00	2.00	to 3.00
Daffodils.....	3.00	to 4.00	2.00	to 3.00	2.00	to 2.50	2.00	to 3.00
Tulips.....	3.00	to 4.00	2.00	to 3.00	2.00	to 2.50	2.00	to 4.00
Sweet Peas.....	.50	to 1.00	.50	to 1.50	.50	to 1.50	.50	to 1.50
Corn Flower.....	.....	to 2.00	.....	to 2.00	.....	to 2.00	.....	to 2.00
Gardenias.....	.....	to 25.00	25.00	to 30.00	.....	to 25.00	25.00	to 30.00
Adiantum.....	.....	to 1.00	1.00	to 1.25	1.00	to 1.25	1.00	to 1.50
Smilax.....	.....	to 12.50	12.00	to 15.00	12.00	to 15.00	15.00	to 18.00
Asparagus Plumosus, Strings (100)	to 50.00	40.00	to 50.00	40.00	to 60.00	50.00	to 60.00
" " & Spreng. (100 bchs.)	25.00	to 50.00	25.00	to 35.00	25.00	to 35.00	25.00	to 35.00

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CHOICE BEAUTIES, ORCHIDS, VALLEY, ROSES
and all Seasonable Varieties of Cut Flowers

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Consignments Solicited

Hardy Fancy Fern Our Specialty

264 RANDOLPH ST., DETROIT, MICH

Flower Market Reports

BOSTON Business has been fairly good this week, especially in spring flowers. Tuesday and Wednesday were rather depressing, but at the present writing, Thursday, the markets are active, with a brisk demand. This is not so noticeable in roses, which are very plentiful, although of excellent grade. Large quantities of sweet peas fill the stalls and none but the Spencer varieties go at all. Carnations have improved a bit and better prices are being secured. Their quality is excellent and promises well for Easter. Potted bulbous plants are also in fairly active demand. A short crop of violets at Easter is expected, on account of the excessive quantity of foliage now being thrown. Otherwise, heavy crops of all kinds of flowers will be cut this next week, as the weather has been extremely mild. There is a good shipping demand and judging from the advance orders received by the big wholesalers, Easter week ought to be a record breaker.

CHICAGO Practically all of the stock coming into the Chicago market is being disposed of and at satisfactory prices. There is no marked deficiency along any line and the supply and demand are about as nearly balanced as ever occurs. Roses in general are reported by some of the wholesale houses to be a little behind the sales of former weeks but there is no marked decrease in call for them. The abundance of good bulbous stock, both cut and in pans, is bound to make itself felt somewhere and this probably accounts for the little slack in rose sales. American beauties are still scarce and growers look for a few more weeks before they will be good crop. There are plenty of excellent sweet peas, the butterfly type predominating, but there is a steady demand for the old varieties also, for making up. Double violets still come from the east but season is nearly over and quality not very good. Some excellent ten weeks' stock is coming now and sells quickly. Pussy willows have lost their novelty and sales lag this week. A limited number of marguerites, mostly white, are offered. Cattleyas are in fair supply. Spanish iris is the latest addition to the market and arrived last week for the first. Mrs. Russell rose continues to keep a continuous record for being in crop, a record beginning last June at Poehlmann Bros.

CINCINNATI As Easter approaches stock of all kinds is becoming very plentiful. The daily cuts of roses and bulbous stock are much larger and carnations while they have not increased in numbers as rapidly as have the other flowers, still are fairly plentiful. Business at the time of this writing is fair. The demand while steady is not as active as it might be. Prices, however, while lower than they were, are holding up pretty nicely. The outlook for the Easter supply is promising both in respect to the quantity and quality of the flowers.

NEW YORK Changes are few in this market. The heavy cut of bulbous stock continues and market values on all this class of stock has gone down. Roses are holding their own quite well,



VALLEY

Always popular for the Easter corsage, either with other flowers or alone. Will have an unusually good supply for Easter, splendid, long, well flowered spikes.

Special \$4.00 per 100

Extra \$3.00 per 100

EVERYTHING IN RIBBONS AND FLORISTS' SUPPLIES. Send for our catalogue.

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The Wholesale Florists of Philadelphia

NEW YORK, 117 W. 28th St.

PHILADELPHIA, 1608-1620 Ludlow St.

BALTIMORE, Franklin and St. Paul Sts.

WASHINGTON, 1216 H St., N. W.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON March 25		ST. LOUIS March 22		PHILA. March 22	
Roses						
Am. Beauty, Special	30.00	to 35.00	40.00	to 50.00	35.00	to 50.00
" " Fancy and Extra	12.00	to 20.00	15.00	to 20.00	10.00	to 25.00
" " No. 1	4.00	to 10.00	8.00	to 10.00	4.00	to 8.00
Killarney, Richmond, Extra	4.00	to 12.00	8.00	to 10.00	6.00	to 10.00
" Ordinary	2.00	to 4.00	4.00	to 6.00	2.00	to 5.00
Hillingdon, Ward, Sunburst, Extra	6.00	to 12.00	8.00	to 10.00	6.00	to 10.00
" Ordinary	3.00	to 6.00	4.00	to 6.00	2.00	to 5.00
Maryland, Radiance, Taft, Extra	6.00	to 12.00	8.00	to 10.00	6.00	to 10.00
" Ordinary	3.00	to 4.00	4.00	to 6.00	2.00	to 5.00
Russell, Hadley, Ophelia, Mock	4.00	to 15.00	8.00	to 12.00	4.00	to 15.00
Carnations, Fancy	3.00	to 4.00	2.00	to 3.00	3.00	to 4.00
" Ordinary	1.00	to 2.00	1.00	to 1.50	2.00	to 3.00
Cattleyas	20.00	to 30.00	40.00	to 50.00	15.00	to 50.00
Lilies, Longiflorum	6.00	to 8.00	10.00	to 12.50	8.00	to 10.00
" Rubrum		to 6.00		to 10.00	3.00	to 8.00
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	1.00	to 4.00
Daisies		to 1.00		to 2.00	.50	to 2.00
Violets	.25	to .50	.20	to .50	.20	to .50
Snapdragon	3.00	to 4.00	3.00	to 4.00	4.00	to 15.00
Narcissus, Paper White	1.00	to 2.00	2.00	to 3.00	1.50	to 2.00
Freelias		to 2.00		to 3.00	1.00	to 3.00
Daffodils	1.00	to 3.00	2.00	to 3.00	1.00	to 3.00
Tulips	1.00	to 2.00	3.00	to 4.00	2.00	to 3.00
Sweet Peas	.25	to 1.00	.30	to .75	.35	to 1.00
Corn Flower	.50	to .75		to 1.00	1.50	to 2.00
Gardenias	20.00	to 30.00		to 5.00	5.00	to 20.00
Adiantum	.50	to 1.00	1.00	to 1.25		to 1.00
Smilax	8.00	to 12.00	10.00	to 12.50	15.00	to 20.00
Asparagus Plumosus, Strings (100)	25.00	to 40.00	35.00	to 50.00		to 50.00
" & Spreng. (100 Bchs.)	25.00	to 35.00	15.00	to 25.00	25.00	to 50.00

and carnations also remain steady. *Acacia pubescens* is abundant, bringing from \$1.25 to \$1.50 per bunch of sprays. Quantities of outdoor lilac are coming in from the south. Much of it arrives in poor condition. Whatever of it is sold brings 50c. per bunch but half of it at least, is thrown away. Violets are still very fine but they count for very little in the flower market now.

ST. LOUIS The market is more than well supplied. The bulk of the stock consists of roses, carnations and bulb flowers, which have sold at greatly reduced prices all week. Carnations and roses are in very heavy supply, as also are sweet peas, violets and bulb stock.

SAN FRANCISCO There seems to be considerable division of opinion among local retailers regarding the effect the exposition is having upon business. Some say the people are spending enough time at the fair

grounds to have a curtailing effect upon ordinary house trade, while others report a little improvement and look for a normal trade after the Lenten season. The principal feature of business at present is decorative work, and that can be attributed directly to the exposition as most of it is being done in connection with banquets and other special events given under the auspices of the various state, foreign, county and other fair commissions in the celebration of the formal openings of their exhibits, buildings, etc.; but only a few of the large retail houses are catering to that kind of business so it does not benefit the retail trade generally. The funeral of Lincoln Beachey in the past week created an unusually large demand for floral pieces. Wholesalers report fair business, but an oversupply of stock has a tendency to keep down prices. The only shortages noted are on the better grade of American Beauty roses and

(Continued on page 442)

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Lonicera, Palmetto, Cyca, both fresh
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FINE ROSES, FANCY CARNATIONS

A Full Line of ALL CUT FLOWERS.
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Successor to JOHN I. RAYNOR

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The HOME OF THE LILA by the 100, 1000 or 10,000.

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NEW YORK QUOTATIONS PER 100. To Dealers Only**ROSES AND CARNATIONS**

	Last Half of Week ending Mar. 20 1915		First Half of Week beginning Mar. 22 1915	
American Beauty, Special	15.00	to 30.00	15.00	to 30.00
" " Fancy and Extra	12.00	to 15.00	12.00	to 15.00
" " No. 1	3.00	to 10.00	2.00	to 8.00
Killarney, Richmond, Extra	5.00	to 6.00	5.00	to 6.00
" " Ordinary	1.00	to 3.00	1.00	to 3.00
Hillingdon, Ward, Sunburst, Extra	5.00	to 6.00	5.00	to 6.00
" " Ordinary	1.00	to 3.00	1.00	to 3.00
Maryland, Radiance, Taft, Extra	4.00	to 6.00	5.00	to 6.00
" " Ordinary	1.00	to 3.00	1.00	to 3.00
Russell, Hadley, Ophelia, Mock	4.00	to 20.00	4.00	to 20.00
Carnations, Fancy	2.00	to 2.50	2.00	to 3.00
" " Ordinary	1.00	to 1.50	1.00	to 1.50

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A. J. GUTTMAN, President.

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SEASONABLE SUGGESTIONS

BY THE FLORISTS' SUPPLY HOUSE OF AMERICA

EASTER BASKETS NOW READY

HANDLE BASKETS With Liners

CYCAS LEAVES, Best in the World

WHEAT SHEAVES, CREPE PAPER AND MATS

TUMBLER BASKETS

MAGNOLIA LEAVES

CREPE FLOWERS

H. BAYERSDORFER & CO.,

The Florists' Supply
House of America

1129 Arch St.,
PHILADELPHIA, PA.

Flower Market Reports

(Continued from page 441)

cattleyas. The latter are very scarce. Phalaenopsis is also less plentiful this week, but it is believed there will be plenty on the market to supply the Easter demand. Some fine displays of primroses are being made and the demand is fairly strong. A good many California wild yellow violets are coming in. The warm weather has made violets too soft to ship in good condition, and it is expected the Easter movement will about finish the season. St. Patrick's Day had but little effect upon the local flower trade. Very few of the better shops offered anything in the way of green dyed flowers.

WASHINGTON reports obtained from nearby growers there will be more Easter stock than this market can readily absorb and the result will be that they will have to look for other modes of disposing of lilies especially. In all probability, as in other years, the florists will have the competition of department, grocery and other stores to contend with. This latter they would not so much mind were it not for the practice of cutting prices. The Rambler roses that are now coming in have never been equalled and other stock such as spireas, hydrangeas, rhododendrons, and snapdragons in pots and tubs, a novelty of this year, are in fine shape. The weather has caused a slackening in the rose and carnation crops and as a result both of these are cleaning up well although at moderate prices. There is more bulb stock on the market than can be taken care of, and violets and sweet peas are overplentiful. It has come to the pass where the growers cannot produce many of these at a profit and with the returns from the exchanges and wholesale houses lower than the cost of production, a number have discontinued handling them. Business during the month has been quite satisfactory.

VISITORS' REGISTER.

Albany, N. Y.—P. Welch, Boston.

St. Louis: Paul Berkowitz, of H. Bayersdorfer & Co., Phila., Pa.

Washington—Anthony C. Zvolanek, of Lompoc, Cal.; James W. Heacock, Wyncote, Pa.; George Vandermey, Lisse, Holland; H. P. McCarthy, with

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Mar. 20 1915		First Half of Week beginning Mar. 22 1915	
Cattleyas	10.00	to 25.00	10.00	to 25.00
Lilies, Longiflorum	3.00	to 6.00	5.00	to 8.00
" Rubrum	1.00	to 3.00	1.00	to 3.00
Lily of the Valley	1.00	to 2.00	1.00	to 2.00
Daisies	1.00	to 2.00	1.00	to 2.00
Violets	.10	to .20	.10	to .20
Snapdragon	4.00	to 6.00	4.00	to 6.00
Narcissus, Paper White	1.00	to 1.50	1.00	to 1.50
Freesias	1.00	to 2.00	1.00	to 2.00
Daffodils	1.00	to 2.00	1.00	to 2.00
Tulips	1.00	to 2.00	1.00	to 2.00
Sweet Peas	.50	to 1.00	.50	to 1.00
Corn Flower	.....	to 1.00	.....	to 1.00
Gardenias	3.00	to 12.00	3.00	to 12.00
Adiantum	.50	to .75	.50	to .75
Smilax	6.00	to 10.00	6.00	to 10.00
Asparagus Plumosus, strings (per 100)	35.00	to 50.00	25.00	to 50.00
& Spreu (100 bunches)	10.00	to 25.00	10.00	to 25.00

P. R. Quinlan, Syracuse, N. Y.; M. Cohen, New York, N. Y., Charles Wernig, Springwood Farms, York, Pa.

Cincinnati—Paul Berkowitz, representing H. Bayersdorfer & Co., Philadelphia; Frank Ball, Patriot, Ind.; Miss Fannie White, Lexington, Ky.

Pittsburgh, Pa.—John Van der Meer, representing the P. Van der Meer Company, of Noordwijk, and P. I. Le Feber, of the J. Mossel Company, Boskoop, Holland.

Chicago—Samuel Seligman, New York; Paul Pales, Little Rock, Ark.; Dan McRorie, San Francisco, Calif.; George Vatter, Marinette, Wis.; George Dysinger, representing the Ionia Pottery Co., Ionia, Mich.; O. H. Carlson, Minneapolis, Minn.; J. Schuler, Hoopston, Ill.; S. A. Jamieson, Minneapolis, Minn.; W. P. Craig, Philadelphia, Pa.; Mrs. Perry N. Dehaven, Tulsa, Oklahoma; Mr. Michler of Michler Bros, Lexington, Ky.

Philadelphia—C. P. W. Nims, representing A. H. Hews & Co., Cambridge, Mass.; Phil. Breitmeyer, Detroit, Mich.; Miss Weber, Fairmount, W. Va.; Robt. M. Rahaley, mgr. Michigan Cut Flower Exchange, Detroit, Mich.; Walker Taepke, Detroit, Mich.; Joseph Way, Kennett Square, Pa.; E. H. Peterson and wife, Cincinnati, O.; E. A. Seidewitz, Baltimore, Md.; H. L. Holmes, Harrisburg, Pa.; E. G. Hill, Richmond, Ind.; Thomas Fries, Lancaster, Pa.

New York City—W. Nicholson, W. R. Nicholson, Framingham, Mass.; H. E. Downer, Northampton, Mass.; F. Fallon, Roanoke, Va.; Prof. A. H. Nehr-

ling, Amherst, Mass.; A. H. Wingett, Lenox, Mass.; J. C. Hatcher, Amsterdam, N. Y.; George Sykes, Chicago, Ill.; David N. Craig, Brookline, Mass.; J. W. Hampton, Robert Kift, Philadelphia; Thos. Roland, J. K. M. L. Farquhar, P. Welch, W. J. Stewart, Boston; R. Vincent, Jr., White Marsh, Md.; W. F. Kasting, Buffalo, N. Y.; Robert Craig, Philadelphia; A. Farenwald, Roslyn, Pa. E. G. Hill, Richmond, Ind.; Donald Mackenzie, Chestnut Hill, Mass.; Prof. E. A. White, Amherst, Mass.; A. C. Zvolanek, Lompoc, Cal.; A. A. Pembroke, Beverly, Mass.; W. M. Post, of Post & Gray, New Bedford, Mass.; R. C. Blatchley, Meriden, Ct.

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Where he hopes to see all his old friends
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Florists' Supplies

We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
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Florists' Requisites

ROBERT J. DYSART

PUBLIC ACCOUNTANT AND AUDITOR

Simple methods of correct accounting
especially adapted for florists' use.
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Merchants Bank Building

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 40 State St., Boston.
For page see List of Advertisers.

AMPELOPSIS

Ampelopsis Vetchii—3-yr., extra strong roots and tops, 3 to 4 ft., \$8.00 per 100; 2-yr., strong, 2 to 3 ft., \$4.00 per 100, \$35.00 per 1000; 2-yr., good, 18 to 24 in., 50 by parcel post, \$2.00; \$3.00 per 100; \$25.00 per 1000, by express. All packed to carry safely without extra charge. CHAS. BLACK, Hightstown, N. J.

APHINE

Aphine Mfg. Co., Madison, N. J.
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APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.
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ARAUCARIAS

Godfrey Aschmann, Philadelphia, Pa.
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AUCTION SALES

Elliott Auction Co., New York City.
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ASPARAGUS SPRENGERI

J. E. Felthousen, Schenectady, N. Y.
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AZALEAS

P. Ouwerkerk, Hoboken, N. J.
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BAY TREES

August Rolker & Sons, New York.
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BAY TREES—Standard and Pyramids. All sizes. Price List on demand. JULIUS ROEHRS CO., Rutherford, N. J.

BEDDING PLANTS

A. N. Pierson, Inc., Cromwell, Conn.
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BEGONIAS

Julius Roehrs Company, Rutherford, N. J.
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BEGONIA GLORY OF CINCINNATI

\$18.00 per 100; \$150.00 per 1000

BEGONIA MILLOR

\$25.00 per 100; \$200.00 per 1000

Strong young plants from leaf cuttings, May and June delivery. Secure your stock from the originators. Quality is our aim.

J. A. PETERSON & SONS

Westwood, Cincinnati, Ohio

BIG TREES

Bakestraw-Pyle Co., Kennett Sq., Pa.

BOILERS

Kroeschell Bros. Co., Chicago.
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King Construction Co., North Tonawanda, N. Y.

"King Ideal" Boiler.

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Hitchings & Co., New York City.

Lord & Burnham Co., New York City.
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BOUQUET HOLDERS

M. D. Jones Co., Boston, Mass.

BOXES—CUT FLOWER FOLDING

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made. Write for list. HOLTON & HUNKEL CO., Milwaukee, Wis.

BOX TREES

BOX TREES—Standards, Pyramids and Bush. In various sizes. Price List on demand. JULIUS ROEHRS CO., Rutherford, N. J.

BULBS AND TUBERS

Arthur T. Boddington, New York City.
Spring Bulbs.

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J. M. Thorburn & Co., New York City.
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Ralph M. Ward & Co., New York City.
Lily Bulbs.

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John Lewis Childs, Flowerfield, L. I., N. Y.
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August Rolker & Sons, New York City.
Holland and Japan Bulbs.

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S. S. Skidelsky & Co., Philadelphia, Pa.
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Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
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A. Henderson & Co., Chicago, Ill.
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Burnett Bros., 98 Chambers St., New York.
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Henry F. Michell Co., Philadelphia, Pa.
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Fottler, Fliske, Rawson Co., Boston, Mass.

C. KEUR & SONS, HILLEGOM, Holland.
Bulbs of all descriptions. Write for prices.
NEW YORK Branch, 8-10 Bridge St.

BUTTERFLIES

New England Entomological Co., Jamaica Plain, Mass.

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CALCEOLARIA

A. M. Davenport, Watertown, Mass.
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CANNAS

Canna Specialists.

Send for Canna book.

THE CONARD & JONES COMPANY,
West Grove, Pa.

R. Vincent, Jr. & Sons Co., White Marsh, Md.

CARNATIONS

Cottage Gardens Co., Inc., Queens, N. Y.
Carnation Matchless a Great Success.

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F. Dorner & Sons Co., Lafayette, Ind.
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Now ready. Good clean stock Enchantress, Rose Pink and White Enchantress; rooted cuttings, \$3.00 per 100, \$25.00 per 1,000. WM. DOEL, Pascoag, R. I.

CARNATION STAPLES

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 1000 for 35c.; 3000 for \$1.00 post paid. I. L. PILLSBURY, Galesburg, Ill.

Supreme Carnation Staples, for repairing split carnations, 35c. per 1000; 3000 for \$1.00. F. W. WAITE, 85 Belmont Ave., Springfield, Mass.

CHRYSANTHEMUMS

Poeblmann Bros. Co., Morton Grove, Ill.
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Wood Bros., Fishkill, N. Y.
Chrysanthemums Rooted Cuttings.
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Edwin A. Seldewitz, best late pink, 2 1/4 in. pots, \$7.00 per 100; rooted cuttings, \$5.00 per 100; Yellow Sport of Mrs. Razer, \$15.00 per 100. HENRY EICHHOLZ, Waynesboro, Pa.

THE BEST 1915 NOVELTIES

The Cream of 1914 Introductions.

The most popular Commercial and Exhibition kinds; also complete line of Poppies, Singles and Anemones. Trade list on application. ELMER D. SMITH & CO., Adrian, Mich.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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CUT FLOWERS FOR EASTER

William Stuart Allen Co., New York City.

Berger Bros., Philadelphia, Pa.

Albany Cut Flower Exchange, Albany, N. Y.
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George C. Siebrecht, New York City.

The Leo Niessen Co., Philadelphia, Pa.
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Chicago Flower Growers' Association, Chicago, Ill.

S. S. Pennock-Meehan Co., Philadelphia, Pa.
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CYCLAMENS

Thomas Roland, Nahant, Mass.
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CYCLAMEN GIGANTEUM

For several years we have been working for the improvement of the Cyclamen; we offer for March and April delivery, young thrifty plants from 2 in. pots, giant white, white-pink eye, giant pink, dark red, brilliant red, at \$5.00 per 100; Glory of Wandsbek (brilliant salmon) at \$8.00 per 100. These are plants produced from our own improved strain.

J. A. PETERSON & SONS

Westwood, Cincinnati, Ohio

DAHLIAS

R. Vincent, Jr. & Sons Co., White Marsh, Md.

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange. GEO. H. WALKER, Dahlia Expert, North Dighton, Mass.

DAHLIAS

Send for Wholesale List of whole clumps and separate stock; 40,000 clumps for sale. Northboro Dahlia and Gladiolus Gardens, J. L. MOORE, Prop., Northboro, Mass.

NEW PAEONY DAHLIA

John Wanamaker, Newest, Handsomest, Best. New color, new form and new habit of growth. Big stock of best cut-flower varieties. Send list of wants to PEACOCK DAHLIA FARMS, Berlin, N. J.

ALEXANDER'S QUALITY DAHLIAS are the best on the market; 800,000 Clumps to offer, at rock bottom prices, in full field clumps, and strong divisions. If you are looking for stock for your 1915 Catalogue, or for forcing, send at once for free catalogue. J. K. ALEXANDER, "The Dahlia King," East Bridgewater, Mass.

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DECORATIVE PLANTS

Robert Craig Co., Philadelphia, Pa.
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Woodrow & Marketos, New York City.
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Bobbink & Atkins, Rutherford, N. J.
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Alonzo J. Bryan, Washington, N. J.
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DRACAENA

Collin Campbell, New York City.

EASTER PLANTS

William W. Edgar Co., Waverly, Mass.

Robert Craig Co., Philadelphia, Pa.
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Thos. Roland, Nahant, Mass.

Welch Bros. Co., Boston, Mass.
Easter Plants and Cut Flowers.

Anton Schulthels, College Point, N. Y.
Easter Flowering and Foliage Plants.

N. F. McCarthy & Co., Boston, Mass.
Easter Lilies and Cut Flowers.
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FERNS

H. H. Barrows & Son, Whitman, Mass.
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Robert Craig Co., Philadelphia, Pa.
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Alonzo J. Bryan, Washington, N. J.
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FERTILIZERS

Sanderson Fertilizer & Chemical Co.,
New Haven, Conn.

South American Sheep and Goat Manure.
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20th Century Plant Food Co., Beverly, Mass.
Cocconut Fibre Soil.
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Pulverized Manure Co., Chicago, Ill.
Wizard Brand Cattle Manure.

Stampp & Walter Co., New York City.
Scotch Soot.
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Plantlife Co., New York, N. Y.
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Farmers' and Florists' Fertilizer Co.,
Chicago, Ill.

Aetna Brand Tankage Fertilizer.
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New York Stable Manure Co., Jersey City,
N. J.
Well-Rotted Horse Manure.

FLORISTS' LETTERS

Boston Florist Letter Co., Boston, Mass.
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FLORISTS' SUPPLIES

N. F. McCarthy & Co., Boston, Mass.
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Reed & Keller, New York City.
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H. Bayersdorfer & Co., Philadelphia, Pa.
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Welch Bros. Co., Boston, Mass.
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Komada Bros., Philadelphia, Pa.

FLOWER POTS

E. Allan Peirce, Waltham, Mass.
Peirce Paper Flower Pot.
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W. H. Ernest, Washington, D. C.
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A. H. Hews & Co., Inc., Cambridge, Mass.
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Hilfinger Bros., Ft. Edward, N. Y.
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FUCHSIAS

Fuchsias—Black Prince, Speciosa, double
purple and white. Rooted Cuttings, \$1.00
per 100; 2 1/4-in., \$2.00 per 100.
W. J. BARNETT, R. D. 67, Sharon, Pa.

FUNGINE

Aphine Mfg. Co., Madison, N. J.
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GALAX

Michigan Cut Flower Co., Detroit, Mich.
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GENISTAS

A. L. Miller, Jamaica, N. Y.

GERANIUMS

R. Vincent, Jr., & Sons Co.
White Marsh, Md.

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North Shore Nursery & Florist Co.,
Frank E. Cole, Mgr., Beverly Farms, Mass.
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J. E. Felthousen, Schenectady, N. Y.
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Madame Sallerol, 2-inch, \$2.00 per 100.
WM. DOEL, Pascoag, R. I.

Geraniums, 3-inch strong plants, ready
to pot up. S. A. Nutt, \$4 per 100. Cash.
CHAS. H. GREEN, Spencer, Mass.

GLADIOLUS

John Lewis Childs, Flowerfield, L. I., N. Y.
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A. Henderson & Co., Chicago, Ill.
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Rowehl & Granz, Hicksville, L. I., N. Y.
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Gladioli, first size, true to name, per 1000,
Mrs. F. King, Princeps, Hollandia, \$10.00;
Augusta, Hulot, Halley, \$12.00; Panama,
\$30.00; Pendleton, \$15.00 per 100; Niagara,
\$4.00 per 100; Europa, \$7.25 per 100; War,
\$9.75 per 100; Blue Jay, \$14.50 per 100;
also planting stock. Send for list. RAY-
MOND W. SWETT, Stoughton, Mass.

Mrs. Watt, the gladiolus of quality; bril-
liant wine—one solid color, the same shade
as Hadley rose; large flower, strong spike,
robust grower; first size bulbs, \$3.50 per
100. Also planting stock, Tacoma, Klondyke,
Augusta, Princeps, Mrs. F. King, Chicago
White, Niagara, Mrs. F. Pendleton,
Golden King and Victory. Write for
special closing out prices. HOMER F.
CHASB, Lawrence, Mass.

GLASS

Sharp, Partridge & Co., Chicago.
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Parshelsky Bros., Inc., Brooklyn, N. Y.
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Greenhouse glass, lowest prices. JOHN-
STON GLASS CO., Hartford City, Ind.

GLASS CUTTERS

Smith & Hemenway Co., New York City.
Red Devil Glass Cutter.

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GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.

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GOLD FISH

Gold fish, aquarium plants, snails, cas-
tles, globes, aquarium, fish goods, nets,
etc., wholesale. FRANKLIN BARRETT,
Breeder, 4815 D St., Olney, Philadelphia,
Pa. Large breeding pairs for sale. Send
for price list.

GREENHOUSE BUILDING MATERIAL

King Construction Co., N. Tonawanda, N. Y.
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S. Jacobs & Sons, Brooklyn, N. Y.
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A. T. Stearns Lumber Co., Neponset,
Boston.

Stearns Cypress.

GREENHOUSE CONSTRUCTION

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Lord & Burnham Co., New York City.
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Hitchings & Co., New York City.

A. T. Stearns Lumber Co., Boston, Mass.

Metropolitan Material Co., Brooklyn, N. Y.

GUTTERS

King Construction Co., N. Tonawanda, N. Y.
King Channel Gutter.

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Metropolitan Material Co., Brooklyn, N. Y.
Iron Gutters.

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HAIL INSURANCE

Florists' Hail Asso. of America.

J. G. Esler, Saddle River, N. J.

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HARDY FERNS AND GREEN GOODS

Michigan Cut Flower Exchange, Detroit,
Mich.

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The Kervan Co., New York.

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HARDY PERENNIALS

R. & J. Farquhar, Boston, Mass.

Henry A. Dreer, Philadelphia, Pa.
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Bay State Nurseries, No. Abington, Mass.
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P. Ouwerkerk, Hoboken, N. J.
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Pailsades Nurseries, Sparkill, N. Y.
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HARDWOOD ASHES

Hardwood Ashes for sale. GEO. L.
MUNROE & SONS, Oswego, N. Y.

HEATING APPARATUS

Kroeschell Bros. Co., Chicago.

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Lord & Burnham Co., New York City.
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HOT-BED SASH

Parshelsky Bros., Inc., Brooklyn, N. Y.
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Foley Greenhouse Construction Co.,
Chicago, Ill.

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Lord & Burnham Co., New York City.
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A. T. Stearns Lumber Co., Neponset, Mass.

HOSE

H. A. Dreer, Philadelphia, Pa.
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INSECTICIDES

Benj. Hammond, Beacon, N. Y.

Hammond's Insecticides.
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Aphine Manufacturing Co., Madison, N. J.
Aphine and Fungine.

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Standard Insecticides.
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Nicotine Mfg. Co., St. Louis, Mo.
Aphis Punk and Nikoteen.

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Plantlife Co., New York City.

Plantlife.
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Roman J. Irwin, New York City.

Nico Fume Liquid and Paper.
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In writing to Advertisers kindly mention Horticulture

IVY

English Ivy R. 6 cuttings 7½¢ per 100, post paid. 1 doz. 1 doz. 60 in. \$3.00. From pots 12 in. 1 doz. \$4.00. CHAS. FROST, KENILWORTH, N. J.

LEMON OIL

Lemon Oil Co., Baltimore, Md.
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LILY BULBS

Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
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R. M. Ward & Co., New York, N. Y.
Japanese Lily Bulbs of Superior Quality.
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Corp. of Chas. F. Meyer, New York City.
Meyer's T. Brand Giganteums.
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Yokohama Nursery Co., New York City.

LILY OF THE VALLEY

Chas. Schwake & Co., Inc., New York City.
Hobmann's Famous Lily of the Valley Pips.
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McHutchison & Co., New York City.
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Loechner & Co., New York City.
Lily of the Valley Pips.
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MASTICA

F. O. Pierce Co., New York City.
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MODERN IRRIGATION

J. P. Campbell, Jacksonville, Fla.
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NATIONAL NURSERYMAN

National Nurseryman Publishing Co., Inc.,
Rochester, N. Y.
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"NICO-FUME"

Roman J. Irwin, New York City.
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NIKOTEEN

Nicotine Mfg. Co., St. Louis, Mo.
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NIKOTIANA

Aphine Mfg. Co., Madison, N. J.
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NURSERY STOCK

American Forestry Co., Boston, Mass.
Trees and Evergreens.
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P. Ouwerkerk, Weehawken Heights, N. J.
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W. & T. Smith Co., Geneva, N. Y.
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Bay State Nurseries, North Abington, Mass.
Hardy, Northern Grown Stock.
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Bobbink & Atkins, Rutherford, N. J.
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Framingham Nurseries, Framingham, Mass.
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August Rolker & Sons, New York City.
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New England Nursery Co., Bedford, Mass.
Hardy Planting Stock.
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Choicest lawn shrubs, covering plants and
border perennials. Large stock. Prices
low. Any quantity. Send for list.

WYOMANOCK NURSERIES,
R. 7, Lebanon Springs, N. Y.

NUT GROWING.

The Nut Grower, Waycross, Ga.
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ONION SETS

Leonard Seed Co., Chicago, Ill.
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Schilder Bros., Chillicothe, O.
Onion Seed—Onion Sets.
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ORCHID FLOWERS

Jas. McManus, New York, N. Y.
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ORCHID PLANTS

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Lager & Hurrell, Summit, N. J.
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PALMS, ETC.

Robert Craig Co., Philadelphia, Pa.
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August Rolker & Sons, New York City.
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PEONIES

Peonies. The world's greatest collection.
1200 sorts. Send for list. C. BETSCHER,
Canal Dover, O.

PECKY CYPRESS BENCHES

A. T. Stearns Lumber Co., Boston, Mass.

PIPE AND FITTINGS

Kroeschell Bros. Co., Chicago.
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Perry, Buxton, Doane Co., So. Boston, Mass.
Second Hand Pipe.
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King Construction Company,
N. Tonawanda, N. Y.
Shelf Brackets and Pipe Hangers.
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Seele's Teless Plant Stakes and Trellises. H. D. SEELE & SONS, Elkhart, Ind.

PLANT TUBS

American Woodenware Mfg. Co., Toledo, O.
Tree Tubs and Brass Hoop Jardinieres.
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H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

PRIMULAS

A. L. Miller, Jamaica, N. Y.

RAFFIA

McHutchison & Co., New York, N. Y.
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RIBBONS AND CHIFFONS

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Waban Rose Conservatories, Natick, Mass.
New Rose Mrs. Moorfield Storey.

M. H. Walsh, Wood's Hole, Mass.
Hardy H. T. and Rambler Roses.

F. R. Pierson, Tarrytown, N. Y.
Valuable New Roses.

Rose Specialists.

THE CONARD & JONES COMPANY,
West Grove, Pa. Send for offers.

The best everblooming pink bedding rose
Jonkheer J. L. Mock, strong 2-year-old
bushes, 2½¢ each; \$2.50 per doz.; \$20.00 per
100. Special prices on larger quantities.
J. H. GOULD, Middleport, N. Y.

SEASONABLE PLANT STOCK

R. Vincent, Jr. & Sons Co., White Marsh
Md.
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SEED GROWERS

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California Seed Growers' Association,
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Brasilian Seed Growers Co., San Jose, Cal.

SEEDS

Carter's Tested Seeds,
Seeds with a Pedigree.
Boston, Mass., and London, England.
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Schilder Bros., Chillicothe, O.
Onion Seed—Onion Sets.
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Joseph Breck & Sons, Boston, Mass.
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Kelway & Son,
Langport, Somerset, England.
Kelway's Celebrated English Strain Garden
Seeds.
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Seeds for Present Planting.
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Leonard Seed Co., Chicago, Ill.
Peas, Beans, Radish and all Garden Seeds.
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Peter Henderson & Co., New York City.
Henderson's New Crop Aster Seed.

Fottler, Fiske & Rawson Co., Boston, Mass.
Aster Seed.

SKINNER IRRIGATION SYSTEM

Geo. N. Barrie, Brookline, Mass.
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SNAPDRAGONS**Thoroughly Tested Strains.**

Silver Pink, Golden Fleece, Pure white (winter bloomer). Rooted cuttings, \$2.00 per 100; potted plants, 2-inch, \$4.00 per 100.

F. SOUTHWORTH,

25 Hudson St., Lynn, Mass.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. **LAGER & HURRELL**, Summit, N. J.

SPIRAEAS

W. E. Marshall & Co., New York City.
Spiraeas for Easter Forcing.

STOVE PLANTS

Orchids—Largest stock in the country—Stove plants and Crotons, finest collection. **JULIUS ROEHRS CO.**, Rutherford, N. J.

STRAWBERRY PLANTS

Strawberry Plants, twenty varieties, at \$2.50 per 1000. Catalogue free. **BASIL PERRY**, Georgetown, Delaware.

SWEET PEA SEED

Ant. C. Zvolanek, Lompoc, Calif.
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S. Bryson Ayres Co.,
Sunnyslope, Independence, Mo.
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"JOHN BAER" TOMATO

J. Bolgiano & Son, Baltimore, Md.
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TRITOMAS

Tritoma Pfitzerl, strong crowns. Write for prices. **THOMAS J. OBERLIN**, Sinking Spring, Pa.

VENTILATING APPARATUS

The Advance Co., Richmond, Ind.
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The John A. Evans Co., Richmond, Ind.
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Aphine Mfg. Co., Madison, N. J.
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Reed & Keller, New York City.
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Komada Bros., Philadelphia, Pa.

WILLIAM E. HEILSCHER'S WIRE WORKS, 264 Randolph St., Detroit, Mich.

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Albany Cut Flower Exchange, Albany, N. Y.
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AZALEAS, PALMS, ARAUCARIAS, ACACIAS, ASPIDISTRAS, ETC.

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EASTER FLOWERS BY TELEGRAPH.

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FARQUHAR'S TUBEROUS ROOTED BEGONIAS.

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PELARGONIUM CLORINDA AND BEDDING PLANTS.

R. Vincent, Jr., & Sons Co., White Marsh, Md.
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ROSES.

W. E. Marshall & Co., New York City.
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WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "Care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

HELP WANTED**FLORISTS WANTED**

Must be experienced and with written references. Apply at C. C. Trepel's Cut Flower Department, care Bloomingdale Bros., 59th St. and 3rd Ave., New York City, between 3 and 5 o'clock P. M.

FOR SALE

FOR SALE—Fresh from factory, new; 10 x 12, 16 x 18, 16 x 24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money. **PAR-SHELSKY BROS., INC.**, 215-217 Havemeyer St., Brooklyn, N. Y.

SITUATIONS WANTED

SITUATION WANTED—As working foreman, by a practical grower of cut flowers and plants; 30 years' experience in Denmark, England and U. S. A.; 13 years on the last place; married, temperate and best of references; state full particulars in first letter. Address "J." care HORTICULTURE.

In writing to Advertisers kindly mention Horticulture

[illegible]

New York.

Shows.

Meetings.

**When writing to advertisers kindly
mention HORTICULTURE**

Sold by Seed Dealers and Used in New England 35 Years



"HAMMOND'S GRAPE DUST"

Used effectively to kill Powdery
Mildew on Roses and other Plants.

USED BY THE FLORISTS FOR OVER 25 SUCCESSIVE YEARS

Sold by the Seed Dealers.
For pamphlet on Bugs and Blights address

HAMMOND'S PAINT & SLUG SHOT WORKS
BEACON, N. Y.



Hammond Insecticides used by Florists and Gardeners for generations, and before this our paint was used on Hot Houses because it did not wash off. Twemlow's Putty is unexcelled.

Send for Pamphlets or information regarding your needs.

BENJAMIN HAMMOND, Beacon, N. Y., U. S. A.

OUR PRODUCTS SOLD BY
SEED DEALERS

LEMON OIL CO'S STANDARD INSECTICIDE

Guaranteed under the Insecticide Act, 1910 Series No. 321

Save your plants and trees. Just the thing for Greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrip, Red Spider, Black and Green Fly, Mites, Ants, Insects on Rose-bushes, Carnations, etc., without injury to plants and without odor. Used according to directions our standard insecticide will prevent ravages on your crops by insects.

Non-poisonous and harmless to user and plants. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pests. Excellent as a wash for dogs and other animals. Relieves mange.

Effective where others fail.

1/2 Pint...25c; Pint...40c; Quart...75c
1/2 Gal., \$1.25; Gal., \$2.00; 5 Gal. Can., \$9
10 Gal. Can., \$17.50

Dilute with water 30 to 50 parts.

For Sale by Seedsmen and Florists' Supply Houses
If you cannot obtain this from your supply house write us direct.

LEMON OIL COMPANY, Dept. K

420 W. Lexington St., Baltimore, Md.

Directions on every package

SCOTCH SOOT

Where there is a house that is just full of buds almost ready to show color, nothing will turn better color into the flowers than a little soot, that can be scattered over the benches before watering. The amount applied should not be excessive, as the soot is very strong and may damage some of the foliage somewhat. Apply just enough to blacken the surface of the soil in the benches, and let it go at that. Better a little oftener than too much all at once.

We offer the genuine in original cwt.
Sacks, at:
\$4.00 per 112 lbs.; \$17.50 per 560 lbs.

Stumpp & Walter Co.

30-32 Barclay Street, NEW YORK

Plantlife Insecticide

A tobacco preparation used by the best growers for dusting and spraying.

Write for book of testimonials and prices.

THE PLANTLIFE CO.

251 East 66th St., New York, N.Y.

Cocoanut Fibre Soil WAR

Does not stop the use of Humus.
All seedsmen keep it in stock. It is the last word in Fertilizing Humus.
Send for Prices.

20th CENTURY PLANT FOOD CO.

27 & 29 OCEAN ST.,

BEVERLY, MASS.

Aphine

The Insecticide that
kills plant Lice
at every species

The Recognized Standard Insecticide.

A spray remedy for green, black, white fly, red spider, thrips, mealy bug and soft scale.
Quart, \$1.00; Gallon, \$2.50.

FUNCINE

An infallible spray remedy for rose mildew, carnation and chrysanthemum rust.
Quart, 75c; Gallon, \$2.00.

VERMINE

A soil sterilizer for cut, eel, wire and angle worms.
Quart, \$1.00; Gallon, \$3.00.

SCALINE

A scallicide and fungicide combined for San Jose and various scale on trees and hardy stock, and various blights which affect them.

Quart, 75c; Gallon, \$1.50.

NIKOTIANA

A 12% nicotine solution properly diluted for fumigating or vaporizing.
Quart, \$1.50; Gallon, \$4.50.

If you cannot obtain our products from your local dealer, send us your order and we will ship immediately through our nearest agent.

Aphine Manufacturing Co.

MADISON, N. J.

GEO. A. BURNISTON
President

M. C. EBEL
Treasurer

Aetna Brand Tankage Fertilizer

Is the best balanced Fertilizer on the market, and is giving satisfactory results wherever used.

Farmers and Florists Fertilizer Company

809 Exchange Ave., Room 5, U. S. Yards,
CHICAGO, ILL.
Telephone—Drover 1932.

Est. 1765

FOR "POT LUCK" USE

Inc. 1904

Pot Makers for a
Century and a Half

HEWS STANDARD POTS

World's Largest
ManufacturersWrite for Catalogue
and Discounts

A. H. HEWS & CO., Inc., Cambridge, Mass.

Warehouses:
CAMBRIDGE, MASS.
NEW YORK, N. Y.

VISIT TO WAVERLEY, MASS.

The annual Easter invitation to the Gardeners and Florists' Club members to visit the plant houses of the W. W. Lutz Company at Waverley, Mass., on Saturday, March 20, was responded to by a record crowd. They found plenty in attraction and interest to repay them well for the trip. Mrs. Edgar and Mr. Bartsch were indefatigable in their kind attention and hospitality and after the luncheon which followed the inspection of the houses, the gratitude of the visitors was voiced by a number of speakers and emphatically endorsed by cheers of appreciation.

As our readers are aware, this is one of the headquarters for high-class plants in the Boston section. This year we see fewer *Acacia armata*, *metrosideros* and big genistas than in former years but more azaleas, French hydrangeas and "Baby Rambler" roses—the last named now far out numbering the older strong-growing Ramblers. The roses most abundantly grown are Mrs. Cutbush, Orleans, Rubin, Jessie, Tausendschoen and Excelsa. A house of 4-inch geraniums in full bloom will be a welcome addition to the Easter list. We have never seen a better lot of lilies than here. They are mostly giganteums and although not potted until December 14, are just right for Easter trade. Hydrangeas for May sales and lilies for Decoration Day are eagerly awaiting accommodation on the benches as soon as vacated. There are 7,000 young cyclamen, but no large ones, as it is the rule here to dispose of all the cyclamen at Christmas.

King of Prussia, Pa.—J. W. Thomas & Sons, nurserymen, suffered seriously from fire on March 20. "Grandfather, the barn is on fire!" Two grandchildren, one 3 and the other 5, ran to Mr. Thomas, at his home on County Line road with this announcement, and in 10 minutes the structure, one of the largest in the region, was a flaming mass, doomed to ruin. The loss was estimated between \$10,000 and \$20,000. A horse was burned to death and a horse and a mule were badly burned.



Red Devil
No. 622-6 1/2 in.

Hand boned like a razor. Tested to cut the finest bouquet wire. Handles fit your hand like a glove. At your dealer or from us for 70 cents.

SMITH & HEMENWAY CO.
181 Chambers St., New York City.
Makers of "Red Devil" Glass Cutters and other tools. Booklet on request.

GREENHOUSES BUILDING OR CON-
TEMPLATED.

Waverly, N. Y.—Harvey Tracy, enlarging.

Ithaca, N. Y.—Boal Floral Co., range of houses.

Port Chester, N. Y.—John Smith, range of houses.

Newport, R. I.—Clark Burdick, Kay street, one house.

Evanston, Wyo.—Louis B. Westholder, additions.

Waverley, N. Y.—Wm. Tracey, one King house.

Milton, Pa.—W. Bruce Klinger, two King houses.

Lincoln, Ill.—State Penitentiary, additions and alterations.

Elmira, N. Y.—J. E. Morrow, King house 25x75 ft.

Binghamton, N. Y.—Dr. Hutchison, Front street, one house.

York, Pa.—John Dauber, North George street, addition.

Lincoln, Ill.—Gullett & Sons, three large and two small Moninger houses.

Independence, Ia.—J. B. Steinmetz and Jonathan Bland, East Main street, one house.

Schenectady, N. Y.—G. E. Kopper, Rosendale Nursery, propagating house 10x150.

Springfield, O.—Samuel B. McIlheny, 226 East Northern avenue, one house.

NEWS NOTES.

Thompson, Ct.—O. R. Hermanson, formerly of Putnam, Ct., is now conducting the Thompson School Greenhouses.

St. Louis.—Henry C. Moskopf, of the firm of Moskopf and Irish, landscape architects, is recommended in a signed petition by the florists of St. Louis for appointment as park commissioner to succeed Dwight F. Davis, whose term expires April 1.

Port Chester, N. Y.—John Smith, florist, with store at Liberty street and greenhouses at Grace Church and Sands streets, has purchased a 10-acre plot at Colonial Ridge, on which he will establish a nursery and erect greenhouses.

Joseph McCarthy, who has been flower buyer for the Parker House, Young's Hotel and Hotel Touraine for the last eight years, has resigned and will enter the wholesale field in the near future, with headquarters at 164 Pemberton square, Boston.

NEW CORPORATION.

Birmingham, Ala.—Lambert Seed & Floral Co., capital stock, \$2,000. Incorporators, G. T. Brazelton, G. N. McDonald, John A. Lambert.

Hortonville, Mass.—Fire in the greenhouse of Wilfred Bouchard destroyed his entire crop of tomato plants, as well as a miscellaneous lot of vegetable plants, on March 18th.



DREER'S

Florist Specialties,
New Brand. New Style.
Hose "RIVERTON"
Furnished in lengths up
to 500 ft. without seam or
joint.
The HOSE for the FLORIST
3/4-inch, per ft., 15 c.
Reel of 500 ft., " 14 1/2 c.
2 Reels, 1000 ft., " 14 c.
3/4-inch, " 13 c.
Reels, 500 ft., " 12 1/2 c.
Couplings furnished
HENRY A. DREER,
714 Chestnut St.,
PHILADELPHIA, PA.

1000 READY PACKED CRATES
STANDARD FLOWER POTS AND BULB PANS

can be shipped at an hour's notice. Price
per crate:
2600 1 3/4 in. @ \$6.00 500 4 in. @ \$4.50
1500 2 " " 4.88 450 4 1/2 " " 5.24
1500 2 1/4 " " 5.25 320 5 " " 4.51
1500 2 1/2 " " 6.00 210 5 1/2 " " 3.78
1000 3 " " 5.00 144 6 " " 3.16
800 3 1/2 " " 5.80 120 7 " " 4.20
60 8 " " 3.00

HILFINGER BROS., Pottery, Fort Edward, N. Y.
August Reiker & Sons, 51 Barclay St., N. Y. City, Agents
OUR SPECIALTY—Long Distance and Trade Export



The best PAPER
POT for shipping
purposes. Sizes from
2 in. to 6 in.

Ask your dealer for
them. Samples free.

E. ALLAN PEIRCE,
401 Oaks St.,
Waltham, Mass.

STANDARD FLOWER
POTS

If your greenhouses are within 500 miles
of the Capitol, write us, we can save
you money.

W. H. ERNEST

28th & M Sts. Washington, D. C.

RED CEDAR



Write for Catalogue.
Tree Tubs and Brass Hoop
Jardinieres

The extension stave
foot prevents the bot-
tom from rotting. No
chance for water to col-
lect and rot the floor.
The American Woodware Mfg.
Company
Toledo, Ohio, U. S. A.

NOW SEND US THAT INQUIRY ON

Greenhouse Construction and Heating Material

Hot Bed Sash Pecky Cypress Celery Boards
Knock Down Plant Boxes

PROMPT SHIPMENTS

THE FOLEY GREENHOUSE MFG. CO.

3275 West 31st Street, - - - CHICAGO, ILL.

SHARP, PARTRIDGE & CO.

Are Leaders in

GREENHOUSE GLASS

OUR PRICES WILL PROVE THIS.

CHICAGO, ILL.

KING

The name that assures "the most for the money" in

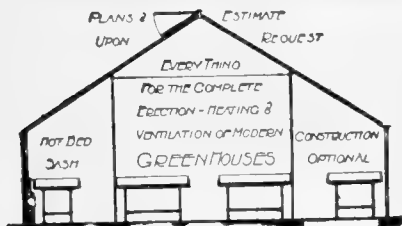
GREENHOUSES

Write for Bulletin No. 47
and you will see why.

KING CONSTRUCTION CO.

28 King's Road, N. Tonawanda, N.Y.

S. JACOBS & SONS



1359-1385 Flushing Ave.

BROOKLYN, - - - N. Y.

SKINNER SYSTEM

MARK.

for Farm, Garden,
Lawn and Greenhouse

Ask for Information

GEO. N. BARRIE

BROOKLINE, - - MASS.

CAMPBELL IRRIGATION

We lead the world in overhead irrigation of all kinds. Send for revised edition of our booklet "Modern Irrigation," and literature describing our circular irrigation sprinklers, the Campbell Automatic and Campbell Turbo-Irrigator, and the new Automatic Oscillator for overhead pipes.

J. P. Campbell

240 Union Terminal Building, Jacksonville, Fla.

GLASS

Greenhouse Material
Hot Bed Sashes

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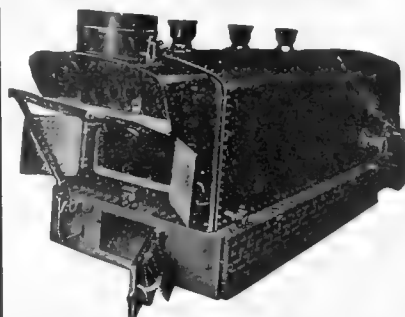
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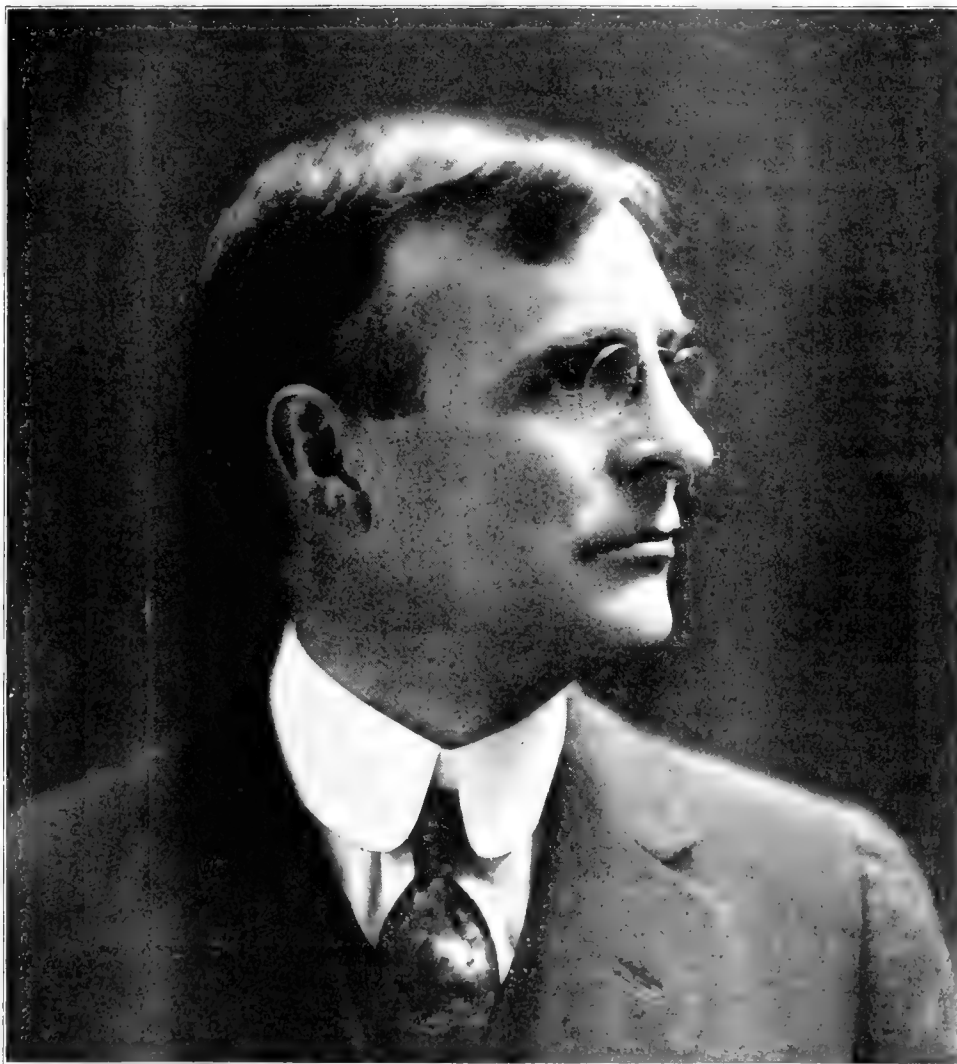
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THE JOHN A. EVANS CO.
Richmond, Ind.



Vol. XXI
No. 14
APRIL 3
1915

HORTICULTURE



Samuel S. Pennock
President elect American Rose Society

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NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil."—*Pope*.

Decorative Foliage Plants

Before it gets any later all these plants should have a good sponging with some good insecticide such as Aphine or Lemon Oil, because later on you will not have much time. Repotted now they will start into active growth. Knock the plant out of the pot and remove as much of the old soil as will come off without injury to the active roots. Different composts will be needed to suit their different requirements. When repotted, they will require a closer atmosphere which will help them to start up quicker after they have been disturbed. Most foliage plants like plenty of syringing so don't be afraid to use the hose.

Gardenias

The right sort of easily rooted cuttings can now be had if good stock for the future is to be provided by home propagation. Gardenias in their young state grow faster than is generally supposed and a young, thrifty plant is worth more than several hard worked and hard wooded old ones when it comes to planting for indoor culture in northern latitudes. The new wood shoots just beginning to show the firmness of maturity along their lowermost joints, broken off with a bit of heel or cut sharp with a trifle of a slant will root steadily in good heat, if kept moist and shaded. When gardenias have safely passed through all the dangers of the winter and grown to productive plants, they are then in a position to appreciate generous treatment and respond to it as readily as any other kind of stock. The common stable manure water, as used for roses, I have found to be also the most reliable and beneficial feeding liquid for gardenias in pots or benches and they should now have it about once every five or six days after they have been thoroughly watered. In a steadily held temperature of 68 degrees gardenias feel most comfortable. A pleasantly humid air is to be maintained at all times but in particular while buds are swelling and opening.

Mulch for Carnations

To protect the feeding roots that are now near the surface from strong sunshine, and to keep the benches from drying out too quickly, they should now get a liberal mulching of rich compost. The soil, if the plants have been doing good work, will by this time be much exhausted, and as the spring growth is now on they will require some fresh material to work on. By mulching now the blooms can be kept up to size for quite a long time even in hot weather. The compost should consist of two parts decomposed cow manure and one part good soil. To this should be added fifteen or twenty pounds of dessicated bone meal to each cubic yard of compost, the whole to be thoroughly incorpor-

ated and put on the bench one inch thick. Passing the compost through a screen of an inch mesh makes it more easily spread, covering the ground more uniformly and making it more assimilable than if put on in a rougher state. This mulching, with aid of liquid feeding should keep the soil in good condition till planting time.

Swainsona

Now is a good time to propagate this very serviceable florists' flower. Swainsona can be put to a good many uses as it has the make-up of graceful and very delicate green foliage in contrast to its pure white flowers. Place in sand where they will have a little bottom heat, and with necessary waterings and frequent spraying they will soon root. Give them plenty of shading until they are rooted, when they can be potted into 2 or 2½-inch pots. Mix up a light compost, say one part leaf mold and sand to three of new loam. See that they are potted firmly and place in a somewhat closer atmosphere for ten days or two weeks or until they take hold of the soil. They can then be placed in from 55 to 60 degrees at night, shifted from time to time and grown on in pots, or planted out in a bench at about 55 degrees during the winter.

Starting Achimenes

These make very nice flowering plants to have on hand in the spring. A good way is to place tubers quite thickly in pans that have been previously filled with good drainage material finished off with sand so the pans will be three-quarters full. Then cover the tubers with sand. Place them in a temperature of at least 65 degrees. Keep the sand moist all the time but not too wet or the tubers will rot. When the plants have made a growth of two inches they should be potted—6 to 8 in a 5 or 6-inch pan or pot. Use a compost of two parts fibrous loam, two parts leaf mold and one part sand. Give them ample drainage and on this some turfy material or sphagnum moss. Keep in a temperature of about 60 degrees at night. Place well up to the glass but shade when the sun is powerful so that they may suffer no injury to their leaves. When flowering begins they will take liquid manure about twice a week.

Stock Plants

Now is the time to take note and find out what kind of stock, and how much we intend to grow another year. Every up-to-date grower should make a practice of looking ahead, so that when the time comes he will have the required amount of stock to meet his trade, so put aside enough now to propagate from during next fall and winter.

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temptation to impose the deception upon a gullible section of the public so long as there was money in it. We hope it will quickly disappear forever, and that nevermore shall advertisements of dyes for coloring fresh flowers be flaunted before the world in the pages of florists' trade papers. We presume, however, that we shall have to endure it a while longer in the time of chrysanthemum blooming, more's the pity.

The status of the flower shows

Now that the big spring exhibitions are successfully over, the returns all in and things settled down to normal once more we can all look back with complacency and extreme satisfaction on the splendid results achieved, not alone in the mere financial success but in the broader consideration of the effect of these great shows upon flower culture, on future flower exhibiting and on the welfare generally of all who engage commercially in any of these branches of horticulture. A very wholesome stimulant to confident effort has certainly been administered which will undoubtedly give new courage where previous disheartening experiences have made caution advisable and we may hope to see more and better exhibitions in the coming season in consequence. That the unprecedented public attention enjoyed by the shows in Boston and New York was due in part to the effect of the European conflict which has made it discreet for large numbers of society people to forego their foreign tours and forced many lavish spenders to seek their diversions in their home country, is not unlikely but we should bear in mind that both affairs were in an artistic sense worthy and that is what we must strive for in every case if we are to make a permanent impression. With this favorable start we may reasonably hope that the influence exerted by these splendidly successful home enterprises shall continue and expand and that the flower show may become more and more strongly entrenched in the public estimation as a standard institution.

Exhibition problems

We did not quite realize, until after our editorial notes of last week had gone broadcast, the large number of discontented flower show exhibitors there were in the land. It seems quite evident that we "barked up the right tree," for, judging from the returns, in comment, approving or disapproving, it would appear that if all those who are said to have discontinued exhibiting because of dissatisfaction over their past experiences had come into this season's spring shows, staging room would have been at a premium. Now, HORTICULTURE harbors no prejudice and we have no "axe to grind." Our sole desire is to see public floral exhibitions grow in number, extent and influence and to help to that end by whatever means is in our power, for we have great faith in their efficacy as upholders of horticulture and feeders of the rapidly developing horticultural appetite of the American public. Any close approach to perfection in schedule making, arranging or judging can hardly be expected at once and mere fault-finding will not help along in the least. If defects exist in the methods now in vogue, in one or the other place, they should be squarely exposed and a heart to heart effort made at the proper time and place by those who detect them, with a view to having them removed. It seems to us that this is the right course for any member of any society who has become dissatisfied with its methods and the way they work out. Should any such, who read these lines, see fit to express through our columns publicly their views as to ways and means whereby improvement on existing conditions may be brought about we shall be more than pleased to make room for them.

Exit,

the green carnation

Welcome, indeed, is the news from various quarters where this abominable blot on the flower business has been perpetuated year after year, that very little of it was in evidence this year. This information coincides with our own observation, most of the "green" carnations coming to our notice on St. Patrick's day, 1915, being seen on the stands of the alley and doorway fakirs, whereas, it is not long since they were a window "ornament" of many of the leading retail flower stores whose proprietors presumably knew better but could not resist the

HARDY CYPRIPEDIUMS

The increased hot-house space for the cultivation of tropical and subtropical orchids as cutflowers for the markets is evidence of our advance as growers. Indeed the large volume of what hardly more than ten years ago was considered a choice and rare material begins to tax the enterprising distributors severely and the prices have gone down further than we like to see them. When looking at the hardy herbaceous class we find conditions reversed. The most beautiful species of cypripediums abound in the mountain recesses of our northern and western districts and are common in the woodlands of the plains, but extremely rare in our gardens. I admired the beautiful blossoms of *Cypripedium acaule* on the granite-ledges of Mt. Desert Island in Maine and they certainly are not less charming when we meet them in the flat sandy sections of New Jersey. Certainly we have sometimes tried them in what we considered the improved condition and sheltered atmosphere of our gardens but if they did not at once take kindly to our treatment we simply discarded them. Placed by nature before our very door it seems a comparatively easy matter to ascertain the reason why we are failing. If we knew the mocassin flower to be a denizen of the Trans-Baikal Region or Kamschatka I am sure we would most willingly go into scientific research and not rest until we had solved the cultural problems. Nicholson's Dictionary of Gardening says of *Cypripedium acaule*: "an extremely rare species of great hardihood." The German *Gartenbau Lexikon* describes it as "one of the showiest representatives of hardy orchids," and our picture of a flowering clump taken in its natural state on a granite-ledge of Brown Mountain near Northeast Harbor, Maine, testifies to its beauty. I think after all it seems worth while to investigate the natural conditions under which our native lady slippers thrive. Perhaps we may find means and ways to succeed; at any rate they should not remain a rarity in our gardens. As a rule we see them grow in partial shade, their long stringy roots running nearly horizontally about 3 to 4 inches under ground. The soil is invariably peaty or leaf-mouldy and frequently rocky. It is surprising how well they transplant even when advanced in bud and flower providing the work is done with proper care. There is no doubt that under conditions similar to nature's we can grow hardy cypripediums. The best of opportunities to enjoy the beauty of floral gems of this kind is offered, of course, in the advanced type of the modern rockgarden.

Cypripedium acaule varies in color from white to deep rosy carmine; the small sepals and petals being



CYPRIPEDIUM SPECTABILE

of brown greenish tint. By far the stateliest hardy species is our native *Cypripedium spectabile*. Attaining a height of from 2 to 3 feet it prefers moist situations and a soil rich in humus. The moisture, however, should not be stagnant. The extraordinarily large pouch is usually bright carmine pink while sepals and petals appear pure white. Of the much smaller foreigners of similar shades I mention *Cypripedium guttatum* and *C. macranthum*. Distinguished by yellow labellums are our *Cypripedium pubescens*, the European species *C. calceolus*, *C. parviflorum* and Wilson's new Chinese introduction *C. luteum*.

The three American mocassin flowers—*acaule*, *pubescens* and especially *spectabilis*—represent jewels in nature's great floral treasury. We may be justly proud of our cultural success as growers of orchids under glass, but so far we have neglected the beautiful species of our own land. I believe it is time for some of us to give them that amount of study and attention which is necessary for a more frequent and effective use in our gardens.

Richard Rothe

Glenside, Pa.

DISGRACEFUL EXPRESS SERVICE.

Editor of HORTICULTURE.

Before an advance in rates is granted the express companies, should we not have some guarantee of decent service? On Saturday, March 27, I received a box from Providence, containing 150 roses. The roses were tied in the box, and nearly six inches spare room at the end. The brown box carried a white label, 10 inches long and 6 inches wide, distinctly printed in black, stating perishable contents and requesting care. On opening the box, the roses were pressed hard against

the end, and 19 broken short. You can imagine the condition of the ends of the unbroken roses. The box had evidently come from Providence, standing on end all the way. I have had the same experience several times. I am told I can collect damages. I cannot get pay for the time required to collect, or for my fits of temper, and if one needs the flowers for immediate use, he cannot get paid for inconvenience or loss of orders.

When waiting at depot, I have seen large wooden boxes, from a well-known grower, and containing Ameri-

can Beauties, lily of the valley and longiflorum lilies, thrown from the express car to the platform, the top boxes rolling over the sides of the heap. The boxes were for transshipment for a point 200 miles distant. Is such treatment of flowers much better than robbery? Perhaps Mr. Gude, of Washington, may be interested in these comments.

I use the electric express all I can, finding them more careful and much cheaper.

FRANK DEEDS

Fall River, Mass.

CLUBS AND SOCIETIES

RAILWAY GARDENING ASSOCIATION.

A special meeting of the Executive Committee of the Railway Gardening Association was held in Philadelphia, Pa., on March 25th, for the purpose of perfecting arrangements for the 1915 convention to be held in August, 17th to 20th, in Detroit, Mich. The following members were present: President, Paul Huebner, Philadelphia, Pa.; Vice-Presidents, John Gipner, Niles, Mich.; J. E. Smith, Ridley Park, Pa.; J. E. Byrnes, Relay, Md.; Treasurer, J. K. Wingert, Chambersburg, Pa., and Secretary, W. F. Hutchison, Sewickley, Pa., others present being John Foley, J. Carson of Philadelphia, Pa., and M. F. Geary, Haverford, Pa.

John Gipner was appointed a committee of one to make arrangements for convention hall, hotels, etc., he to report to Executive Committee at the earliest possible moment. Committee to prepare paper on soils and fertilizers: I. T. Worthley, Phila.; J. K. Wingert, Chambersburg, Pa., and George Hillebrand, Louisville, Ky. Committee to prepare paper on lawns and banks: J. E. Smith, Ridley Park, Pa.; J. E. Byrnes, Relay, Md., and R. J. Rice, Niles, Mich. Committee to prepare paper on diseases, insects and other injuries, E. A. Richardson, Newtonville, Mass.; A. Englemann, Altoona, Pa., and E. F. Reinisch, Topeka, Kans. Committee to prepare paper on hedges and plants: C. W. Eichling, New Orleans, La.; John Rinck, New Orleans, La., and J. G. Thoma, Emsworth, Pa. Committee to prepare paper on Equipment and operation: C. F. Tritschler, Nashville, Tenn.; F. C. Stark, Sewickley, Pa., and W. J. Strong, Wolseley, Sask., Can.

W. F. HUTCHISON, Sec'y.

MASSACHUSETTS TREE WARDENS MEET.

The Massachusetts Tree Wardens and Foresters' Association held its fourth annual banquet at the American House, Boston, March 26. The banquet followed the opening day of the annual meeting of the association in Horticultural Hall, and which continued two days. L. H. Worthley of Melrose, special agent of the United States Department of Agriculture, was toastmaster, and the guest of the evening was Allan B. Chamberlain of the Massachusetts Forestry Association. Other speakers were Dr. George E. Stone of Amherst, retiring president; Nathaniel T. Kidder of Milton, new president; S. L. Symmes of Winchester, retiring vice-president; William W. Colton, Forest Commissioner of Newton; Harold J. Neale, city forester of Worcester; J. A. Davis, city forester of Springfield; A. F. Burgess of the Government experiment station at Melrose, and Harris A. Reynolds, secretary of the Massachusetts Forestry Association. The principal speaker at the morning session was State Forester F. W. Rane. In the afternoon Allan B. Chamberlain discussed "The Town Forest." Dr. George E. Stone spoke on "The Present Status of Cav-

ity Work in Trees," and Dr. J. W. Chapman of the Bussey Institution described "The Leopard Moth."

THE AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

The seventeenth annual convention of the American Association of Park Superintendents will be held in San Francisco, August 18-19-20. The opening day, the 18th, will be devoted exclusively to business sessions, morning, afternoon and evening, while the two succeeding days will be given over to inspection tours and social functions.

Inasmuch as the Society of American Florists and the National Association of Gardeners have set their convention dates for the same week at San Francisco, the three organizations will undoubtedly bring together a tremendous gathering of men engaged in these professions. The Park Superintendents' Association in an effort to have as many as possible travel westward together, is arranging for a special train from Chicago through to San Francisco via the Pacific Northwest, which is conceded to be a scenic wonderland.

The party will assemble at Chicago on August 8th, and stop-overs are planned at Minneapolis, Glacier National Park, Spokane, Seattle, Tacoma and Portland, where elaborate entertainment features will be provided by local authorities at no expense to the party except at the National Park. Members of kindred societies and friends and relatives will be invited to join the party. No specific return route is being planned as the length of time to be spent at the San Francisco and San Diego expositions is so much of an individual matter dependent on time and means and a return route via Colorado or the South is an open question for individual decision.

CONNECTICUT HORTICULTURAL SOCIETY.

"Ladies' Night," the second March meeting of this society was held in the County Building, Hartford, on the evening of the 26th. The exhibits of roses by President Mason, amaryllis, by Louis Chauvy, and cinerarias, by Alfred Cebelius, were excellent. The judges awarded the roses a cultural certificate, and to each of the other exhibits a first-class certificate.

The feature of the evening was a demonstration of the science of pruning, by Mr. Mason and G. H. Hollister. Mr. Mason took a young peach tree and trimmed it back to about three feet high. He advised trimming off the lower branches at the end of the first year, and cutting back the upper branches, leaving them about six inches long. Mr. Hollister pruned a number of apple trees and ornamental shrubs. The demonstration was very instructive. At the close of the meeting President Mason gave each lady a bouquet of roses.

ALFRED DIXON, Sec.
Wethersfield, Conn.

PACIFIC COAST FLOWER SHOW.

Interest in the spring flower show of the Pacific Coast Horticultural Society in the Palace of Horticulture on the exposition grounds continued at a high tide during the entire three days of its progress, March 19, 20 and 21. By special dispensation the building was open to Fair visitors on the evening of the 20th, which was the first time any of the exhibit palaces had been kept open after dark. The displays were arranged in California's space in the building which was still vacant, and competition for the prizes was keen, the work of the judges being no light task. The place was crowded when the final awards were made. Ferrari Bros. took 1st prize, a gold medal and diploma, for No. 1, flowering bulbs, in Class "A," together with 1st prize for nine other numbers in the same class, and 2nd prize for another. The San Mateo County Commission took 2nd prize, silver medal, on No. 1, Class "A," and Pelicano, Rossi & Company took 3rd, a bronze medal. Domoto Bros. received several prizes, as did Schwerin Bros., and E. E. James was awarded prizes on six different numbers. H. Plath took two awards, the Hillsborough Nurseries, two, and I. W. Hellman, Jr., three. Other prize winners were Mrs. J. A. Scannavin, Geo. Nunn, Mrs. R. A. Darbie and the United Floral Supply Company. Pelicano, Rossi & Company were given the first award, a silver medal, for the best bridal bouquet, a creation of butterfly orchids and lilies of the valley. The second award, a bronze medal, went to Lundberg's Flower Shop and was given for a bouquet of white cyclamen.

OYSTER BAY HORTICULTURAL SOCIETY.

At the regular meeting of the Oyster Bay (N. Y.) Horticultural Society on March 24 the monthly competition prizes were awarded to Chas. Mills for Darwin tulips, and James Duthie for schizanthus. Special \$5 to James Duthie for group of plants; cultural certificates to Jos. Robinson for azalea and lilacs; honorable mention, Jos. Robinson for amaryllis seedling and cottage tulips; J. Sorosick, for collection, lilies and cauliflower by Chas. Mills. Thanks to Arthur Patton, Frank Kyle and James Duckham for various exhibits. Talks were given by John Everitt and M. C. Ebel on the work of the National Association of Gardeners. James Duthie donated the special prize he received, to be used at the next show.

A. R. KENNEDY, Sec.

New York Florists' Bowling Club, Thursday, March 25, 1915.

J. Miesem	190	215	175
C. W. Scott	156	176	164
P. J. Jacobson	162	147	178
R. J. Irwin	152	159	156
H. C. Riedel	229	192	181
J. Fenrich	168	157	165
A. Schauer	119	165	...
P. Meoni	166	173	...

PANAMA-PACIFIC INTERNATIONAL EXPOSITION.

The Philippine Orchids.

The present article regarding the Philippine Government Orchid Exhibit in this Exposition, which has just been installed, is written in the interest of those who are unable to visit this great World Fair.

A very congruous conservatory has been constructed to grow the orchids and to show them off to their best advantage. There are about seven hundred plants of the Phalaenopsis, these being *P. Schilleriana*, *P. amabilis*, *P. equestre*, *P. Luddemanniana*, *P. Aphrodite*, *P. rosea*, and many fine natural hybrids from *P. amabilis* and *P. Schilleriana*. Most of the Phalaenopsis are growing in baskets made of the red wood, *Sequoia sempervirens*. These baskets will last from two to three years. There are also samples of the species *Trichosporum pallidum*. The flowers of these plants only last a few hours, but they are very fragrant. There are over 130 *Dendrobium superbum* growing in six-inch baskets. These plants have made fine growth and belong to a large flowering type. *Dendrobium cruentum* is doing well. We have many plants of *Dendrobium Dearei* which have been flowering for the last three or four months, their flowers lasting three months. There are also the *Dendrobium cariniferum*, *D. Wardianum*, *D. formosum*, *D. cretaceum*, *D. chrysanthum*, *D. Parishii*, *D. Dalhouseanum*, *D. Crassinode*, *D. crepidatum*, *D. bigibbum*, *D. infundibulum*, and many fine plants of *Cypripedium Argus* and *C. Philippinense*. There is also a large plant, the largest that I have ever seen, of *Gramatophyllum Fenzlianum* in a three-foot basket hanging in the center of the house. A fine specimen of *Cymbidium Finlaysonianum* is seen growing in a 14-inch pot. This plant has flowered for the first time here and it is a fine type.

In addition to the above mentioned species there are also in display specimens of the following:

Cymbidium tigrinum, *Gramatophyllum multiflorum*, *Rhynchostylis retusa*, *Aerides quinquevulnerum*, *Spathoglottis plicata*, *Saccolabium miniatum*, *Vanda Sanderiana*, *Vanda lamellata*, *Vanda Boxallii*, *Vanda Luzonica*.

These orchids arrived here from the islands about one year ago, and I did not think at the time that they would be in flower on the opening day, but they have done remarkably well. I may state that it has been my main object to make a demonstration of how to grow these orchids, and this, I think, has pleased the people most.

In the background of the photo that I have sent is a garden seat built of palm stems that have been brought from the islands, which, as you will see, is covered with orchids. On taking the photo many plants in flower were placed above and below the seat to fill up gaps.

In the center of the house there is a staging, 12 by 60 feet, which is one mass of flowering orchids. On my



Photo by Edwin Lutz, N. Y.

FIRST PRIZE PLANT GROUP BY WM. DUCKHAM

right in the photo is my assistant, Mariano Reymundo, a very bright Filipino.

The Filipinos have brought a very fine band from the islands which plays every day

W. E. EGLINGTON.

San Francisco.

Horticulture Publishing Company, Boston, Mass:

Gentlemen—My paper did not arrive as usual on Saturday. It is all I have to look forward to each week; do not allow that to fail me. Kindly send one along at express rate.

Yours truly,

N. J.

G. W.



PHILIPPINE ORCHID EXHIBIT, PANAMA PACIFIC EXPOSITION

SAMUEL S. PENNOCK.

The name Pennock has been a florists' "household word" since long before memory began with most of our readers. The gentleman whose portrait adorns our cover page on this occasion needs no introduction to present day readers. S. S. Pennock is known in the florist trade of the entire country as one of the shining lights of the wholesale flower and supply market, an alert and shrewd business man, a model of integrity and all the gentlemanly traits of character. So with all these attributes, it is the most natural thing in the world that he should be unanimously selected as the standard bearer of the American Rose Society for the all-important year upon which that organization now enters. It goes without saying that nothing which the chief officer can do to bring the society to a high state of efficiency will be left undone while Mr. Pennock fills the office of president.

COMING EVENTS.

Shows.

New York, N. Y., May 8-9.—Exhibition of Hort. Soc. of N. Y. in Bot. Gd., Bronx. (The March and April shows will be omitted.)

San Francisco, Cal., June 1.—American Sweet Pea Society's special show in connection with the Exposition.

Newport, R. I., July 8-9.—Annual show and meeting of American Sweet Pea Society, in connection with Newport Garden Assoc. and Newport Hort. Soc.

Lenox, Mass., July 27-28.—Summer Exhibition of Lenox Horticultural Society.

New York, N. Y., Nov. 1-7.—Annual exhibition of Hort. Soc. of New York, Museum of Natural History.

Cleveland, O., Nov. 10-14.—Annual meeting of Chrysanthemum Society of America. Chas. W. Johnson, Sec., 100 Fairfax Ave., Morgan Park, Ill.

Orange, N. J., Oct. 1.—Fourth Annual Fruit, Flower and Vegetable Show of N. J. Horticultural Society. Sec., W. J. Strange, Sec., St. Jackson St.

NEMATODE ROOT GALL DISEASES.

Of the many diseases, nematode root galls often prove a great drawback to plant life. Every grower and particularly the gardener, the florist and the trucker are especially interested in this class of plant ailment. Because of its great economic importance it will not be out of place to briefly trace the history of root knot. Nematodes are probably of European origin. In 1890 great losses are recorded on the Continent, the sugar beet then was almost wiped out by severe nematode outbreaks. In 1896 the trouble suddenly appeared in the United States. The first attack then being recorded on roses grown under glass; it being introduced with imported stock. Ever since that date the pest has spread over large areas in many states. Greenhouse plants have a harder struggle since the conditions under which they grow renders them weak and less resistant to diseases. What is true with indoor plants is also true for vegetable crops of the trucker and gardener. There, too, although the plants receive the benefit of outdoor air, they are nevertheless weakened because of the excessive use of manure or commercial fertilizer all of which is conducive to rapid growth. Intensive culture then invariably results in weaker plants. These then are the reasons why greenhouse and garden plants are greatly subjected to root gall injury as well as to numerous other diseases.

Symptoms of Root Galls.

Many a grower who loses heavily from this trouble hardly suspects its presence simply because he has not learned to recognize it in its initial stage. Beyond a yellowing and dwarfing of the affected plant there are no outward definite symptoms of the disease. Diseased plants cease growing, become yellow, languid, and may remain in this condition the entire growing season. This is usually true for affected roses, begonias, violets, sweet peas, and many other plants. With greenhouse cucumbers affected plants suddenly collapse and die without further warning. Upon pulling out such plants the seat of the trouble will be located at the roots. In size, root galls vary greatly with the individual host. On the roots of affected carnation plants the knots are irregular as to size and shape, varying from a sixteenth to half an inch or more in diameter; and from spherical or oval with smoothish surfaces to rough lumpy swellings. With sweet peas the knots are often the size of a pea seed and are mistaken for the true legume nodules of that plant. With roses, begonias and tomatoes the galls are fairly large. With lettuce the knots are small. Growers who notice a languid growth should at once pull out a few plants in order to make sure of the presence of the disease in their soil.

Cause of Root Galls.

The trouble is induced by a parasite commonly known as eel worm or nematode. Eel worm is a true worm, belonging to the same animal group as the common fish worm, the tape worm, the trichinia of the pork, and the vine-agre worm. Nematodes are very slender, minute pearly white, glistening worms. As soon as the young hatch

AN INGENIOUS ADVERTISING SCHEME.



RUBE BROWN AND HIS TAME ROOSTER

One of the cleverest advertising stunts seen lately is one used by Bolgiano's seed store of Baltimore, Md. It is a tall, lanky, country chap, winding his way in and out through the

downtown crowds closely followed by a big rooster. The rooster does a number of amusing tricks and the advertising idea catches on with the crowds everywhere. Rube carries a big grip-sack upon which is Bolgiano's Ad.

from the eggs they push their way into the root of healthy plants in which they settle. The presence of these worms in the sound roots causes an irritation which results in these swellings or galls. At first both sexes are slender and hardly visible to the naked eye. Soon, however, the female increases in size as to be readily seen by a good eye. At this stage the female is incapable of locomotion and presents no more evidence of being alive than a small seed. The male on the other hand remains slender and

active even upon reaching maturity. Because of this activity it is able to search the female and fertilize her. A fertilized female further swells presenting the appearance of a sack full of eggs. Soon the mother dies and all that remains is a cavity filled with mature eggs. These hatch and the young at once begin to travel to sounder portions of the plant root to renew the life cycle, or they migrate back to the soil searching for a new host. Because of the tender and minute nature of eel worms they do not thrive well in heavy lands. The soil best suited for this pest is the type of soil best fitted for forcing house and truck crops; namely, a light rich sandy loam.

Damage Caused by Eel Worm.

Generally speaking losses are more severe in the states where the winter is mild than in colder climates where nematode activity is confined to greenhouse plants only. In the South, for instance, certain areas have become so infested with nematode that it is difficult if not impossible to grow certain crops, particularly trucks. In Massachusetts, on the other hand, the greatest loss is experienced in the raising of cucumbers and lettuce under glass. In other northern states where indoor vegetables are extensively grown, tomatoes too are known to suffer heavily from the nematode pest. In Kentucky the disease has been severe on carnations under glass. The same is true for indoor roses and violets extensively grown in a number of states. With violets particularly the attack is almost fatal to the plant either directly or indirectly. Leaf curl in violets, for instance, is due directly to a paralysis of the root system. Leaf spot is indirectly caused by insufficient nourishment resulting in weak, poorly developed foliage which becomes easy prey to fungus attacks. Cyclamens and begonias are often greatly weakened by



ROOT GALLS OF CARNATIONS

WHITE PINE

NEW ENGLAND BORN
AND GROWN

Hardy, Vigorous Stock

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for New Illustrated Tree Catalogue. MANY MILLIONS OF TREES for Ornament and Shade, for Hedges, Windbreaks, and Forests.



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nematode attacks, giving rise to an unhealthy condition which is not easily overcome.

How Root Knot is Spread.

Outdoors, in the garden or in the truck patch, drainage water is probably the most important means of spreading root knot. Nursery stock affords another way of carrying the pest. Seedlings, pecans, peaches, figs, mulberry, young asparagus, eggplant, strawberry, tobacco and tomato seedlings when bought from sections known to be infested, may carry the worms on their roots as galls or with adhering soil particles. In the West where nematode commonly attacks the white potato, the parasite is carried with the tubers. In the greenhouse the trouble may be brought in with infested soil, or with diseased seedlings or plants or with the manure which is usually the dumping place of all rubbish and diseased material.

The following is but a partial list of the flowering and truck crops which suffer severely from root knot: Beet, cantaloupe, carrot, celery, crimson clover, cucumber, eggplant, salsify, squash, tomato, roses, watermelon, sweet peas, violets, begonias, etc. Plants which are less injured and which seem able to withstand to a certain extent the attacks of root knot are the following: Asparagus, lima and snap beans, cabbage, collard, onion, garden pea, radish, spinach and strawberry. There are a number of weeds which are greatly susceptible to root knot. These are: Morning glory, pepper grass, dandelion, and a number of others. Such weeds should, of course, be eradicated from the garden if it is hoped to keep the worm in check.

Methods of Control.

Under greenhouse conditions it is comparatively easy to control nematodes. The steam method is the best since it kills both eggs and worms in the soil. The steaming is done either before planting or when the crop is gone. The method consists in placing a series of perforated pipes in the beds, running parallel and about eighteen inches apart. These pipes are placed about one foot deep in the soil, connected with the steam boiler which

to be effective must be able to generate from 80 to 100 lbs. pressure. Before treatment, the beds are properly fertilized and thoroughly pulverized and then covered with heavy burlap or blankets to confine the heat. As a guide it is well to bury a few raw potatoes here and there. The steam is turned on and maintained for about two hours at a pressure not less than 80 pounds. If the steaming has been thoroughly done the buried potatoes should be well cooked. With this method of sterilization we destroy the eel worm and also all fungus pests as well as all weed seeds. The steaming, too, is very helpful to the soil itself, and renders it in a better working condition. Plant growth in such soils is also materially benefited and stimulated. At first they seem to start a little slower but they soon catch up and surpass in growth and vigor those grown in non-sterilized beds.

Where steam facilities are lacking the formaldehyde method is the next best. It consists of soaking the soil with a solution of one pint of formaldehyde in twenty gallons of water applied at the rate of one gallon of the

solution to every square foot of bed space. With this method the soil is prepared as for the steaming. After applying the formaldehyde, the treated beds are covered with heavy burlap for about 24 hours in order to retain the fumes. The beds are then uncovered and the formaldehyde fumes made to escape as rapidly as possible. This may be encouraged by frequent spading of the beds. The formaldehyde treatment should always be done about two weeks before planting.

Where nematodes have gained a strong foothold outdoors in the garden or on truck lands the methods at control become more difficult. The foregoing methods for large fields are too costly and impractical. Trap or catch crops afford a means of relief but it is only temporary. The method consists in planting on the infested land two or three successive crops such as the sugar beet or mustard, both of which are very susceptible to root knot. In about four to five weeks the roots of the crop will be thoroughly diseased. At this stage the plants are pulled up and destroyed. This method, however, is expensive, since the grower loses a season's profit. Another method of control is crop rotation. Any of the following hosts are either immune or largely so and could therefore be used as an alternative: barley, velvet bean, sweet corn, iron cowpea, millet, winter oats, peanuts, sorghum or wheat. Truckers who also raise poultry may find it practical to have their birds transferred to these sick areas for two to three years.

J. J. TAUBENHAUS.

Newark, Del.

SEEDLING GERANIUM.

In reply to inquiry by C. N. concerning the merits of a seedling geranium, nothing can be said without an opportunity to examine the newcomer and compare it with existing varieties. C. N. is respectfully informed, further, that his full name and address should have accompanied his letter, not necessarily for publication but for other obvious reasons. If he will submit a flower truss or a photograph of a plant in bloom, or both, we shall endeavor to advise him.—Ed.



ROOT GALLS OF ROSES

CARNATIONS FROM THE FIELD TO THE HOUSE.

By Mrs. C. W. Ward, of the "Horticulture" staff.

The tops of carnations in a wide bed at and have been suffering repeatedly. For some of you it is no doubt "thread bare."

We plant out the young plants from pots to the field as early in May as we can, in rows twenty inches apart and eleven inches in the row, cultivating them with a hand harrow after every rain, and in dry season keep the harrow moving.

The topping in the field can not be done too carefully, not waiting until a great number are ready. There may be in the first topping only a few hundred. All season we are trying to keep the plants down, never allowing them to get too high, as we find the high leggy plants (as we may term them) are more liable to be hard wooded and have more dead foliage.

Of course these high topped plants look larger (when they really are not) because they have less side shoots. Again you all know different varieties must be topped accordingly, but never allowed to get too high.

In preparing the houses for planting in time, which with us is the last week of August, we clean out all the soil and give the houses a thorough cleaning, whitewashing the sides of benches, the bottom boards are taken out, swept clean and then floated in lime water, then are carried by forks on tracks to dry in the sun. After they are dry we place as many on a pile as a man can readily carry. Next they are again taken back to their places and put on piles of four each. In that way they do not warp as they would if spread over the benches. We leave them on piles until we are ready to fill in the soil.

In placing the bottom boards we allow a small space between each board, using excelsior to cover over cracks to keep the manure from falling through. The benches are then ready for the soil. I can say here that by treating the bench boards in this way we have been using a great many of the same boards ever since I have been in business, which is fourteen years.

We do not sieve or screen the soil as we once did, but by handling it over two or three times and watching the clods when loading the barrows we get it in good shape. By screening your soil if you are not very careful you will find a great deal of your best soil and manure wasted. I know it was so in our case.

After the benches are filled with soil we water them just enough for nice planting. Before planting we shade the houses, and after planting three or four hundred we water them and keep watering over and over to be sure the soil is saturated through, after that only giving them a light spraying two or three times a day, depending very much on the kind of weather we are having at the time, ever trying to get the soil back to its normal condition, yet never allowing the plants to get too dry until they are well established, being very careful not to let drafts of air blow over them,

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The first sale of **Imported Trees, Shrubs and Roots** will take place on **Friday, April 9**, at our rooms, 112 Arch Street, 10 A. M. Owing to uncertainties and war risks it will be wise to secure your stock at this first sale.

N. F. MCCARTHY & CO.
HORTICULTURAL AUCTIONEERS
BOSTON, MASS.

for if they are once wilted it will take some time to get them back to their normal condition again.

We take all the buds off when planting them in, and in fact for some time after they are housed.

Beacon for one will start a great many buds very soon after housing with very short stems. I must say right here Beacon truly is a grand carnation, a free bloomer, fine habit of growth and carries out to the end of the season with me, which last season was to the end of July. And so long as it does that for us we surely will not drop it. My argument is you are only taxing your plants when you allow them to bloom right after housing, as you are only getting flowers on very short stems and receiving very little money for them.

Get your plants in good healthy condition and well established, then they will be ready for work when the flowers bring you more money. Just as soon as the plants are established we put on the first wire and tie. I really think the carnation loses time if not kept tied up properly, and the less you handle them the better they like it.

The new varieties we are growing this season are Gorgeous, Matchless and Philadelphia. Gorgeous with us is a wonderful stem maker and fine habit of growth and has every promise of being a fine carnation. Matchless up to the present time has done very well. It too is a vigorous grower. If there is anything we could criticise it would be the shortness of its stems. Philadelphia is a wonderful plant maker and a very clean grower. With us so far it has been a bit slow, but at present is full of buds.

My experience has been that after growing the new varieties the second year they prove themselves so much better from the first that I think we do them an injustice in being too severe in our criticisms. For instance the first year we grew Mrs. C. W. Ward it was very short in stems and very uneven on the benches. In fact we were not very much pleased with it excepting the form and color of the flowers. Today its habit of growth and length of stem class it among our best.

In addition to the older varieties we are growing Supreme, Pink Delight, Benora and White Perfection which are all doing well. We will drop Perfection another season because of its tendency to give so many split flowers and grow Matchless instead. Up to this

time we have not cut one split flower from Matchless of which we have one thousand. Supreme we shall retain and drop the others by reason of having too many varieties in this color.

BOON FOR A LIBRARY.

The following letter has been received at this office and speaks for itself:

Gentlemen: I have nearly or quite complete files of the "Horticulture" and other trade papers for many years back. These are getting so bulky that I have to file them away in such shape that they are not available for reference. I shall be glad to give these to some educational institution or library if sure that they will be made available for reference. Will you not publish a notice to this effect.

Yours truly,

W. N. RUDD.

Morgan Park, Chicago, Ill.

THE BREAD LINE.

That Horticultural Hall flower show is all right in its way, but for real luxury good bread flour or nice pastry ditto, fairly surpass orchids and hyacinths, however rare, as an exhibit.—Boston Record.

The Good Book says "Man shall not live by bread alone." The writer of the above lines evidently agrees and he selects pie as his limit. The Record should pick a different breed when selecting reviewers on the subject of flower shows. His place is at the trough.

ON EASTER DAY

We light the Easter fire, and the Easter lamps we trim,
And lilacs bear their chalice cups in churches rich and dim,
And chapel low and minister high the same triumphant strains
In city and in village raise, and on the lonely plains.

"Life" is the strain, and "endless life" the chiming bells repeat—
A word of victory over death, a word of promise sweet;
And as the great good clasps the less, the sun a myriad rays,
So do a hundred thoughts of joy cling round our Easter days.

And one, which seems at times the best and dearest of them all,
Is this: that all the many dead in ages past recall,
With the friends who died so long ago that memory seeks in vain
To call the vanished faces back, and make them live again;

And those so lately gone from us that still they seem to be
Beside our path, beside our board, in viewless company
A light for all our weary hours, a glory by the way
All, all the dead, the near, the far, take part in Easter day.

—Susan Coolidge.

PRUNING PHILADELPHIA RAMBLERS.

Dear Sir: Would you please describe the best way to prune Philadelphia Rambler? This is the third year since they were planted out. Each plant has about ten canes, some of them about six feet long. The plants are six feet apart and growing on a wire trellis. They are planted, every other one red and white. The white ones have made much stronger wood and more of it. Would you please advise me on the best time to prune them; also, if I should thin out the surplus wood.

A SUBSCRIBER.

Mass.

In reply to your inquiry, I find the best way to prune Philadelphia Rambler is just merely cutting the tips of last year's shoots. The third year of planting out should have produced blooms last summer. There are too many canes to a plant; ten canes are too many for each plant. Four canes would be plenty.

It would be well to tie down the ends of the shoots until they begin to break. This will cause more lateral shoots and nearer the base of the plants.

The Philadelphia Rambler with me is not a very profuse bloomer, producing only a few flowers on the tips of the previous year's growth. They should be pruned at once and the surplus shoots removed, as above stated.

M. H. WALSH.

Woods Hole, Mass.

PUBLICATIONS RECEIVED.

The twenty-fourth annual report of the Park Commissioners of the city of Haverhill, Mass., has just been sent out. It covers the transactions, expenditures, etc., of the department for the year ending December 31, 1914. Henry Frost is superintendent of these parks, which seem to be satisfactorily filling their place as recreation grounds for the public.

The Page Company's list of fiction has been increased by one more book by Eleanor H. Porter. Any one who has read "Pollyanna, The Glad Book," will rejoice to know that this gifted author has come again with another production of the same kind. "Pollyanna Grows Up; The Second Glad Book," has just appeared and is destined, we believe, to meet with the same welcome here and abroad which was accorded its predecessor. The first Glad Book reached a circulation of 250,000. Like it, the second Glad Book is charming in style, natural in its character drawing and filled with the spirit of optimism and irresistible goor cheer and we hope to see it equal or exceed the remarkable record of success scored by the first Glad Book. Quoting in part from its lines, "The instrument it plays on is the great heart of the world and its music will draw a response of smiles and happy tears." Published by the Page Company, Boston. Price \$1.25 net; \$1.40 carriage paid.

The list of awards at the Spring Exhibition of the Pennsylvania Horticultural Society, to which brief refer-

SEVEN-YEAR-OLD ASPARAGUS ROOTS. Don't wait 3 years for your Asparagus bed, but plant my 7-year-old roots and eat your Asparagus this May and June. You can eat a bunch from a root and as delicious Asparagus as you ever tasted, this May and June.

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ROCHESTER, NEW YORK

ence was made in these columns last week, covers 115 classes, the majority of which were for hyacinths, tulips and narcissi. These included special classes for some of the more recently introduced varieties. P. A. B. Widener, gard. Wm. Kleinheinz, Geo. H. McFadden, gard. David Allen, Countess Eulalia, gard. Thos. Gaynor, Geo. McFadden, Jr., gard. Chas. Wyand, Mrs. Thos. P. Hunter, gard. Joseph Hurley, J. W. Pepper, gard. Wm. Robertson, Harry A. Poth, gard. M. J. Flynn, J. W. Geary, gard. Jas. Bell, were the prize winners throughout the entire list.

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Walton, N. Y. The Deposit Seed Company will erect a three-story and basement seed house, 10 feet by 70 feet of concrete blocks, on their lot on Center street.

Value of horticultural imports into New York for the week ending March 29, given as follows: Fertilizer, \$12,904; guano, \$1,876; clover seed, \$76,696; grass seed, \$981; trees and plants, \$23,895.

Lincoln, Neb.—The Gunn Seed Company have opened a seed store at 219 South 10th street. E. S. Gunn and E. A. Pegler, of the firm, were formerly in the employ of Galloway Bros., Bowman Co., Waterloo, Ia.

CATALOGUES RECEIVED.

E. C. Ludwig Floral Co., Pittsburgh, Pa.—Price List of Easter Flowers and Plants.

Good & Reese Company, Springfield, O.—Mid-Spring Trade List for Florists, Nurserymen and Dealers Only. Illustrated.

Colin Campbell, New York City—Wholesale Price List of Dracaena Canes, Azaleas, Araucarias, Palms, Hardy Shrubs, Trees and Danish Seeds. Also special offer of English Vegetable and Flower Seeds.

Benj. Hammond, Beacon, N. Y.—Mr. Hammond has sent out descriptive sheets of Beaconite and other paints for cottages, greenhouse, shed roofs, etc., with color chart showing fifty-two various tints and shades. A very practical and useful guide to have at hand when selecting colors.

Alex. McConnell, New York City—Descriptive List of Selected Hardy Trees and Shrubs, Herbaceous Garden Perennials, etc.; grown at Woodside Nurseries, New Rochelle, N. Y. A very attractive and finely illustrated publication. Also a special list of Hybrid Tea Roses of recent introduction.

American Forestry Co., 15 Beacon St., Boston—Annual Catalogue of Young Trees, Evergreen and Deciduous. This is the catalogue of the stock grown at the Little Tree Farms of America, located at South Framingham, Mass. It is handsomely illustrated and the values of American born trees for American landscapes and American forests is convincingly set forth in its pages. This is the largest nursery of young trees on the continent and anyone interested in forestry or arboriculture will find their catalogue very serviceable.

BRITISH HORTICULTURE.

Big Prizes for Vegetables.

The Royal Horticultural Society has done its best to educate the British public on the subject, and to give the best possible advice. Now the "Daily Mail," which a few years ago created a sensation by offering record prizes for sweet peas, has come forward with a unique offer to vegetable growers. This enterprising newspaper is devoting £1,000 as prizes at a great exhibition of vegetables which will be competed for in a show to be held at the end of the summer. The Royal Horticultural Society is supporting the project. The Society's experts will be responsible for the staging and judging of the exhibits. It is a matter for regret that both the National Potato Society and the National Vegetable Society, which could materially aid this branch, have come to a premature end.

Jottings.

Great sympathy has been expressed for Mr. J. S. Brunton, the editor of the Horticultural Trades Journal, and an active worker in the Perpetual Flowering Carnation Society, in the sad loss he has lately experienced by the death of his son, Pte. J. W. Brunton, who succumbed to an attack of spinal meningitis after a week's illness. The deceased, prior to responding to the country's call, was a member of the staff of Dobbie & Co., seedsmen, Edinburgh, and was highly respected by all with whom he was brought in contact....The Narcissus Committee of the Royal Horticultural Society has issued through its secretary, C. H. Curtis, a supplementary list of daffodils registered since the previous list was published last year. This list includes 352 registered since the beginning of last year....British horticulturists have learned with the deepest regret of the sad plight which has befallen the Belgian florists and seedsmen, as one of the effects of the terrible war. According to the "Gardeners' Chronicle," horticulture is in many places in Belgium disorganized and ruined. Attempts on the part of Belgian growers to "carry on" are difficult or impossible. The cost of transport over the Belgian railways has been rendered prohibitive. Many growers are ruined, and almost all are in financial difficulties.

W. H. ADSETT.

Enclosed is post office order to pay for HORTICULTURE two years more. I like HORTICULTURE very much and hope to read it many more years.
N. Y. S. F.

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Cable Address, ALEXCONNELL.

G. E. M. STUMPP

761 Fifth Ave.

NEW YORK CITY

Member Florists' Telegraph Delivery Asso.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or Telegraph

2139-2141 Broadway, - New York

Telephone 1552-1553 Columbus

Established 1874

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

(Member Florists' Telegraph Delivery Asso.)

Flowers shipped on all Steamers. Special Correspondence in all the large cities of Europe and the British Colonies. Telegraph and Cable address Dardsflor.

A. T. BUNYARD**NEW YORK**

413 Madison Avenue at 48th Street.

Also Newport, R. I.

We Guarantee Satisfaction

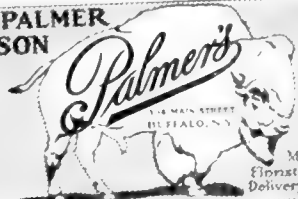
MEMBER F. T. D. A.**Myer** **NEW YORK**
609-611 Madison Ave.

Choicest cut flowers and designs for all occasions. Steamer and theatre flowers a specialty.

Member Florists Tel. Delivery. Wire Me Your Orders

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"**W.J. PALMER & SON**

Members
Florists' Telegraph
Delivery Association

S. A. ANDERSON

440 Main St., Buffalo, N. Y.

ANDERSON service means fresh, sturdy stock, and prompt deliveries in BUFFALO, LOCKPORT, NIAGARA FALLS and WESTERN NEW YORK.

Members of Florists' Telegraph Delivery.

Of Interest to Retail Florists**THE PROTECTION OF CREDIT.**

A superlatively liberal credit has been a characteristic of the florist trade, and during the last few years it has been the source of many evils. This credit extended in good faith to retailers, has been much abused, several wholesalers suffering big losses. Some cities have taken this matter in hand and have somewhat controlled the situation.

The trade in Boston has been rather unfortunate in this respect and all attempts at co-operation have thus far failed. There has been opposition from the very men whom it would certainly benefit most. A new organization under the name of The Flower Growers' Protective Association has just been formed by a small number of growers and wholesalers. There are many up-to-date retailers who welcome this society and believe it to be for the general good of the trade. The best retail florists of the city have been accustomed to buy their stock on a cash basis, paying on the tenth of the month. These men heartily support the new association in Boston, which should have been organized several years ago. Every retailer of this class ought to join in protecting the producers and wholesalers as well as his own business from unscrupulous "mushroom" florists who, by their abuse of the credit system, injure the ability of producers to serve their customers, the retailers.

The retail florist who knows his business and who has always dealt fairly with the wholesalers will not need to fear this measure. The co-operative spirit should prevail among all branches of the trade, from grower to retailer. Innovations, and in many cases radical changes, must be expected in a business which has not yet reached its full development. The flower industry is young, immature and in a state of perpetual flux—forward. Advance has been rapid. Co-operation is an absolute necessity if we are to keep up with the procession. Yet there are florists who still see nothing in co-operative legislation, trade papers, co-operative advertising, telegraph delivery or credit associations. The opposing selfish spirit is very clearly expressed in the remark we overheard the other day. It was a discussion between two florists about a certain competitor who undoubtedly leads his city in advertising and in the volume of business due to that advertising policy. "Oh, well, H— does enough advertising to stimulate trade for every other florist in town."

Henry Benn

Haverhill, Mass. — Charles Morse opened his flower department March 23 under the name of Michell & Co., Flower Department in Michell & Co., department store. Mr. Morse was the C. Morse of Morse & Newell. Brookdale Nursery Co. is now under management of Charles F. Newell and Richie Maddock, with land and greenhouse at West Newbury, Mass.

JOHN BREITMEYER'S SONSCor. Broadway and Gratiot Aves.
DETROIT, MICH.**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good sections of Ohio, Indiana and Canada.
Members Florists' Telegraph Delivery Association.

THE ROSERY

23 STEUBEN ST.

ALBANY, N. Y.

FLOWER DELIVERIES FOR ALBANY AND VICINITY

Members Florists' Telegraph Delivery

Danker

Albany, N. Y.Not How Cheap
But How Good.**Capital of the Empire State**

Member F. T. D. A.

**WASHINGTON,
D. C.****GUDE'S**Member Florists
Telegraph
Delivery**SAMUEL MURRAY****Kansas City, Mo.****913 Grand Ave.**

Member of the Florists' Telegraph Delivery

All Orders Given Prompt and Careful Attention

The Park Floral Co.

J. A. VALENTINE, Pres.

Member Florists' Telegraph Delivery

DENVER, COLORADO**Rochester, N. Y.****J. B. KELLER SONS,
FLORISTS****25 Clinton Avenue, N.**

Rochester Phone 506. Long Dist. Bell Phone 2780

Members Florists Telegraph Delivery

"THE HOME OF FLOWERS"

The largest cut flower store in America. Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

**HOLM & OLSON, Incorporated
ST. PAUL, MINN.****RANDALL'S FLOWER SHOP**

HARRY I. RANDALL, Proprietor.

Phone: Park 94

3 PLEASANT ST., WORCESTER, MASS.

Member Florists Telegraph Delivery Association

CHICAGO Send Your Orders to WILLIAM J. SMYTH

Member Florists' Telegraph
Delivery Association

Michigan Ave. at 31st Street

Prompt Auto Delivery
Service

CHICAGO And Neighboring Towns

Are Thoroughly Covered by

SCHILLER, THE FLORIST

(Member Florists' Telegraph Delivery).

Flowergram or Mail Orders from Florists
anywhere carefully filled and delivered
under the supervision of

GEORGE ASMUS, Mgr.

2221-2223 W. Madison St., CHICAGO,
'Phone West 822

THOS. F. GALVIN INC.

NEW YORK 561 Fifth Ave.
Vanderbilt Hotel
BOSTON 1 Park Street
799 Boylston Street

Deliveries to Steamers and all Eastern Points

CLEVELAND

A. GRAHAM & SON
5523 Euclid Ave.

Will take good care of your orders

Members of F. T. D. Association.

WASHINGTON

915 F ST. N. W.

F. H. KRAMER

Auto delivery of Designs and Flowers to
any address in Washington.

Stock and Work First Class

F. R. PIERSON CO.

FLORISTS AND
PLANTSMEN

TARRYTOWN ON HUDSON, - N. Y.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL STREET, ALBANY, N. Y.
ST. LOUIS, MO.

FRED C. WEBER
4326-28 Olive St.

Member Florists' Telegraph Delivery Association
NOTICE INITIALS. We have one store only

The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP
96 Yonge St., - - - TORONTO, ONT.

Flowers by Telegraph

Leading Retail Florists Listed by
Towns for Ready Reference. Orders
transferred by telegram or otherwise
to any of the firms whose address is
here given will be promptly and prop-
erly filled and delivered.

Albany, N. Y.—Danker.
Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Albany, N. Y.—The Rosery, 23 Steuben St.
Boston—Thos. F. Galvin, 1 Park St.
Boston—Penn, the Florist, 37-43 Brom-
field St.
Boston—Zinn, the Florist, 1 Park St.
Buffalo, N. Y.—S. A. Anderson, 440 Main
St.
Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago, Ill.—Schiller the Florist, George
Asmus, Mgr.
Chicago—William J. Smyth, Michigan
Ave. and 31st St.
Cleveland, O.—J. M. Gasser Co., Euclid
Ave.
Cleveland, Ohio—Adam Graham & Sons,
5523 Euclid Ave.
Denver, Col.—Park Floral Co., 1649
Broadway.
Detroit, Mich.—J. Breitmeyer's Sons,
corner Broadway and Gratiot Ave.
Houston, Tex.—Kerr, The Florist.
Kansas City, Mo.—Samuel Murray, 913
Grand Ave.
New London, Conn.—Reuter's.
New York—David Clarke's Sons, 2139-2141
Broadway
New York—Alex. McConnell, 611 5th Ave.
New York—Young & Nugent, 42 W. 28th.
New York—Dards, N. E. corner 44th St.
and Madison Ave.
New York—Max Schling, 22 W. 59th St.
New York—G. E. M. Stumpp, 761 Fifth
Ave.
New York—Thos. F. Galvin, Fifth Ave.,
at 46th St.
New York—J. H. Small & Sons, 1153
Broadway and Waldorf-Astoria.
New York—Myer, 609-611 Madison Ave.
New York—A. T. Bunyard, 413 Madison
Ave.
Norwich, Conn.—Reuter's.
Omaha, Neb.—Hess & Swoboda, 1415
Farnum St.
Rochester, N. Y.—J. B. Keller Sons, 25
Clinton Ave., N.
St. Louis, Mo.—Fred C. Weber, 4326-28
Olive St.
St. Paul, Minn.—Holm & Olson, Inc.
Tarrytown-on Hudson, N. Y.—F. R. Pier-
son Co.
Toronto, Can.—J. H. Dunlop, 96 Yonge
St.
Washington, D. C.—Gude Bros., 1214 F
St.
Washington, D. C.—F. H. Kramer, 915
F St., N. W.
Westerly, R. I.—Reuter's.
Worcester Mass.—Randall's Flower Shop,
3 Pleasant St.

NEWS NOTES.

Niles, Mich.—Harry C. Reeser, form-
erly of Springfield, O., has started in
the hardy perennial nursery business
here.

Long Island City, N. Y.—H. Berg-
man, formerly manager for Eisenberg,
will conduct the business located at
232 Central avenue, in the store for-
merly conducted by "Hart," the florist.



"The Telegraph Florist"

Member of Florists' Telegraph Delivery

37-43 Bromfield St., Boston, Mass.

ORDERS FOR

NEW YORK

WIRE OR PHONE TO

MAX SCHLING

22 West 59th Street, adjoining Plaza Hotel

Best Florists in the States as References

EUROPEAN ORDERS EXECUTED

Members of the Florists' Telegraph
Delivery.

REUTER'S

Members Florists
Telegraph
Delivery

STORES IN

New London and Norwich, Conn.
and Westerly, R. I.

We cover the territory between

New Haven and Providence

Transfer your orders for flower or
plant deliveries to

ZINN The Florist
4 Park St., Boston

HESS & SWOBODA FLORISTS

Telephones 1801 and L 1881

1415 Farnum St.,

OMAHA, NEB.

THE J. M. GASSER COMPANY,

CLEVELAND

Euclid Avenue

Kerr **ORDERS
FOR
TEXAS**

The Florist HOUSTON, TEXAS

Member F. T. D. Association.

NEWS ITEMS FROM EVERYWHERE

BOSTON.

Charles E. Paine, of Holliston, Mass., has been elected gold of the season by the Massachusetts Horticultural Society for this week.

Superb *Cattleya* grown by W. D. Hayward, of Malden, Mass., who won further reputation for his Silver Plant at the New York Show.

We are pleased to report that N. M. Silverman, of 56 Winter street, is recovered from his severe attack of grip, which kept him confined for three weeks.

The firm of Southworth & Greene, of W. Stoughton, has been dissolved. Mr. S. Greene is now in the Boston Flower Exchange, engaged in selling the products of several growers.

Cattleya Trianae is now being replaced by *Cattleya Schroederiae* in the markets. F. J. Dolansky states that it hardly sells as well as *C. Labiata* or *C. Trianae*. He will have *C. Mossiae* for Easter.

Harry Quint has a brilliant display of plants in front of his store on Boylston street. The front of the building, for over sixty feet, is lined with flowering plants. This display is a small show in itself.

Some specialties noted this week are candidum lilies from Mann Bros., Randolph; carnation Pink Delight from J. A. Nelson, Framingham; Bougainvilleas from Thos. Roland of Nahant, and jonquils from Paine Bros., Randolph.

City florists have gone heavily into plants this week. Several college students have been put on by Penn the Florist as extra help—an experiment in the psychology of employees, in which Henry Penn is deeply interested.

Spring plant auction sales will begin early this month at the N. F. McCarthy & Co. auction rooms. These will take place every Tuesday and Friday until June. The first sale will be held on Friday, April 9. This is one week later than the customary date but this is unavoidable. Owing to the danger from the mine fields the steamship companies have been holding back and refused to accept goods for shipment at usual time and the first arrivals were on Wednesday of this week. The stock opens up well and we advise those who wish to secure the goods to get busy at this first sale as the future is uncertain.

SAN FRANCISCO NOTES.

Preparations are being concluded by the town of San Leandro, in San Mateo county, for its second annual flower show, to be held April 9 and 10.

W. Vortriede, gardener of the California State Capitol grounds at Sacramento, has completed a plan for landscape work on the grounds of the new Willows, Cal., high school.

A new flower shop has recently been opened at 1422 Haight street by Navaret Bros., who formerly conducted the new Rosarie at Divisadero and California streets. They are now operating as the Sunset Floral Company.

PHILADELPHIA.

Byron Bragg has succeeded Stuart H. Miller as foreman at Edward Reid's, 1619-21 Ranstead street. Mr. Bragg has had six years' experience in the wholesale commission business with various houses, including Lilly & Upton, Berger Bros. and The Phila. Cut Flower Co. He impresses the casual visitor as a very nice boy.

The new ever-blooming pelargonium "Easter Greeting," rose pink with dark purple blotch, is a feature in the Easter plant offerings of the Pennock-Meehan Co. Shapely little plants in 4-inch pots, about 9 inches high in bloom and coming on, sell readily at 35 cents. They make an elegant window or conservatory plant and bloom all summer if planted out-of-doors. One of the best novelties of the season.

Seizo Suzuki, of the Yokohama Nursery Co., leaves New York for Europe on the Lusitania, Saturday, April 3. We had the pleasure of a visit from him in Philadelphia, March 30 and want to see more of him. He sounds reasonable to us—judging from our first meeting. Think can convince him that our alphabet of 26 letters would save them a lot of money over there in Japan. Has our slang down fine already. Does not believe for one thing in "standing too long on one leg." This is a new one on yours truly.

A grower has a fundamental right to market his product in such a way as appears to him best. He may sell wholesale or retail or consign to an agent. The commission man is the growers' agent, and all the rights and privileges of the grower accrue to him. If a grower makes a contract with a retailer, or anybody else, and fails to live up to the contract, the retailers' recourse is obvious. But it is certainly futile to write a letter to the Ledger about it. It is certainly high time for the retailers to stop trying to make the grower a doormat for all their troubles. That is—some retailers.

We learn that Robert Kift finds fault with us for spelling our name in full in that New York show story. That long-hand signature was only to show our appreciation of the importance of the subject. Our usual way is George C. Watson which is a real "parting in the middle." Spelling it in full is not. Also, we wish to call attention to Robert. He can't part his in the middle because he hasn't any middle. Bald-headed men without any middle should be careful how they meddle with folks who can part it any old way! If we were in a dudish mood we could even part it on the side like this:

G. COOPER WATSON.

Robert, you are barking up the wrong tree. There are lots of more important things to occupy your time and ability than

GEORGE COOPER WATSON.

CHICAGO.

Frank Oechslein was practically sold out of plants ten days before Easter.

Miss Miriam Hancock, daughter of Mr. and Mrs. J. G. Hancock, won a gold watch in a recent newspaper contest.

Mr. and Mrs. C. W. McKellar are back from an early vacation which they took to the exposition at San Francisco.

Chas. Samuelson has returned from a trip to the northwest and comes back satisfied with the apple outlook there.

Frank Potocki is no longer with the Frank Floral Co., that firm having changed to the Miller & Musser Co., Wabash avenue and Lake street.

The Amling Co. and the A. L. Randall Co. are now occupying their new homes in the Le Moyne block which is one of the finest in the loop. Both florists have carbonic gas cooling systems, operated by Kroeschell ice machines, and the elimination of the services of the ice men means much toward the keeping of the store clean. Any temperature can be secured. The machine of the Amling Co. is in the basement and the gas is carried up into cooling tanks containing brine, through which the gas is carried by means of coils.

Each year sees one or more of the State street department stores enter the field for plants and cut flowers. A trip to these places would be a revelation in prices and often in quality, both being often low, but not always so. Easter week, the lowest prices quoted on lily plants with two or three blooms, was 15c. per plant. The plants were mostly short, but the blossoms fairly good and thousands were sold. No florist could compete with these prices, for they could not handle the quantity of stock to secure them at a low enough figure. Very good hyacinth plants were offered at one department store for ten cents each. It would make interesting reading could the number of dollars be given that are now turned to these stores that once went to the retail florists. In the seed and nursery departments of these stores, where clerks are unfamiliar with the character of bulbs which they sell, illustrations from seed catalogues are used to supply the needed information.

WASHINGTON.

The monthly meeting of the Florists' Club of Washington, D. C., scheduled for April 6, has been postponed one week because of the nearness of that date to Easter Sunday. President Cooke states that there will be a number of interesting features which will probably be ready for Tuesday evening, April 13.

It is reported that the police are becoming very active with respect to moving along the street men who peddle flowers. The competition offered by these itinerant merchants has long been a source of complaint on the part of the storekeepers, and it is said that on Saturday last what was almost a general raid took place and a number of the vendors were haled before the Police Court.

Gude Bros. have installed a very novel display in a window on Ninth street, by which the Florists' Telegraph Delivery is given a big boost. Telegraph poles, wires and tables equipped with sending and receiving instruments supposedly operated by dolls, shipping tags and labels bearing the names of florists in every state of the Union, illustrate the widespread use of the service. The background is made up of plants and cut flowers and show cards tell the meaning of the display. Gude Bros. have secured two stores on Twelfth and Thirteenth streets for Easter overflow.

PITTSBURGH.

A. L. Griffith, secretary and treasurer of the Ray J. Daschbach Co. is confined to his home with an attack of la grippe.

Supt. William Allen of Homewood Cemetery is beginning to convalesce from an accident of three weeks ago. Just as he was leaving his house Mr. Allen slipped on an icy step, fracturing his right ankle in two places.

The Joseph Horne Company, which has a floral department in the basement from the middle of March until the first of June under the supervision of F. C. Campen, will have a special sale of dormant stock next week.

Handsome plant baskets are a feature of Mrs. Williams' Easter window. There are Tausendschoen roses, baskets of lilacs, and azaleas caught with wide ribbons in the Dresden shades and, as an artistic onlooker remarked, "There is not a discordant note."

Mrs. Harry Darlington, who has just returned from Palm Beach, is following her semi-annual custom of remembering the many little patients in the wards of the Allegheny General Hospital. Each is the recipient of a little potted azalea, which shelters a downy chick, from Mrs. E. A. Williams' greenhouses at Knoxville.

With the exception of carnations, there has been a sufficiency of stock during the week. The wholesale moguls attribute the scarcity of carnations to the unusual bloom early in the season, continuing until the end of February. Owing to the extreme cold, unusual care in packing has been necessary for so late in the season.

With the wooded heights of Squirrel Hill on one side, and the beautiful Homewood Cemetery on another, C. Philipps of Forbes and Dallas avenue, undoubtedly has the most picturesque situation of any florist hereabouts. Although only two months in business, having the only flower shop in this residence section, his future seems assured. Mr. Philipps has the advantage of exceptional cosmopolitan experience, here and in Europe. He has been about eight years in Pittsburgh, serving as landscape gardener for H. J. Heinz and Mrs. Sarah B. Cochran. In connection with his shop Philipps has a landscape department.

**THE Florists' Supply
House of America**

H. BAYERSDORFER & CO.
1129 Arch St., Philadelphia, Pa.

Another interesting German landscape gardener is Ernest Guter Guter, who since coming from St. Louis thirteen years ago, has been with Richard Beatty Mellon. Although, figuratively speaking, a landscape architect "pressed the button," Mr. Mellon and Mr. Guter are, together, largely responsible for the splendid ten-acre estate, which is by far the most pretentious in the city limits. In keeping the greenhouse range, Italian garden, cold frames and house conservatory in the quintessence of order, Mr. Guter employs a force of from six to eight men.

Owing to a premature notice, which appeared last Saturday. Supt. James Moore of North Side Parks had the first of his Easter visitors—and many of them, big and little—on Palm Sunday. Their objective point was what was intended as the "Kindergarten department," otherwise the aquatic house temporarily converted into a "Country Gentlemen's Place," for the especial benefit of Mr. Moore's many little friends and admirers. Nothing is lacking even to the various rabbits and farm yard fowls. Their caretaker is a diminutive man in overalls with a lawn mower in whom, however, vital breath is lacking. The French hydrangea and Dutch bulb displays are exceptionally fine.

NEWS NOTES.

Norwich, N. Y.—The business of the late Edward F. Quinn will be continued by Mrs. Quinn and family, under the old firm name.

Albany, N. Y.—Charles S. Wilson, a professor in Cornell University, has been unanimously confirmed by the Senate as state commissioner of agriculture.

Utica, N. Y.—Frank McGowan, 808 Sunset avenue, has sold his range of greenhouses to Williams & Weider. Mr. McGowan has accepted the management of the greenhouses of the late E. F. Quinn at Norwich, N. Y.

New York—P. J. Smith, long located at 49 West 28th street, where John I. Raynor preceded him, will abandon the old headquarters about May 1, and move to the much larger and better equipped store at 131 W. 28th street, now occupied by Traendly & Schenck. Traendly & Schenck will move to a new location on Sixth avenue, near W. 26th street.

Bedford, Mass.—Only the prompt work of the local fire department prevented a serious fire at the New England Nurseries at Shady Hill in the west part of this town, last Saturday afternoon, when a large pile of moss used in packing caught fire outside the packing house, and set fire to the packing shed. A high wind spread the blaze, which was threatening the entire huge nursery plant when the firemen arrived. The damage to material and the building will not exceed \$500. The officials at the nurseries believe the fire was set by a spark from a train, although the fire authorities are of the belief that it was caused from a cigarette carelessly thrown down by a workman.

A forest blaze in the south part of the town burned over nearly half a dozen acres of woodland, owned by Charles W. Jenks. The fire was set by a spark from a passing locomotive.

PERSONAL.

Otto Wolff, of Corfu, has taken a position with L. C. Stroh & Sons, Batavia, N. Y.

Manuel J. Brooks, Florist, 100 South 6th street, New Bedford, Mass., and Miss Christina Costa, are to be married shortly.

William Whitton formerly with E. Iselin, New Rochelle, N. Y., is now engaged on North Brook Farm, Greenwich, Conn.

Professor C. S. Sargent of the Arnold Arboretum is away on a trip south and west. We may look for some more additions to the Crataegus list.

John S. Doig, recently of Grosse Point, Mich., has accepted a position as second gardener under Robert Johnston at Wolf Pen Farm, Southbridge, Mass.

NEW FLOWER STORES.

Winston-Salem, N. C.—Shelton Seed Store.

St. Paul, Minn.—John Hoffman, East 6th street.

Bound Brook, N. J.—Geo. Schmidt, 422 Main street.

Rochester, N. Y.—John A. Murrell, 368 E. Main street.

San Francisco, Cal.—Navarret Bros., 1422 Haight street.

Portland, Ore.—Edward Nausa, 23d and Lovejoy streets.

Brooklyn, N. Y.—Joseph Trepel, 1070 Flatbush avenue.

Utica, N. Y.—Pierce & Gray, Oneida Square after May 1st.

Glens Falls, N. Y.—Geo. M. Watkins, 189 Main street, for Easter trade.

Meadville, Pa.—C. R. Betts, Merchants' National Bank Bldg., Chestnut street.

IT'S THE SAME IN FLORALVILLE, BROTHER.

The editor of one of our esteemed contemporaries recently received from a subscriber a postal card reading as follows:

"Please send me a few copies of your paper containing the obituary notice of my aunt. Also publish the clipping about the marriage of my niece who lives in Texas. When I was in your town last week I called at your office and chatted with you over an hour and yet you made no mention of it in your paper the week following. Why was this? Also, I wish you would mention in your columns (provided it doesn't cost anything) that I have two bull-calves for sale. I might add in conclusion that as my subscription has expired you may please stop my paper. Times are too bad to waste money on newspapers."

Exchange.



**Real
Butterflies**

Moths, Beetles, etc.,
mounted on pins for
floral decorations of every description.
Largest stock in America.
Write for prices.

The New England Entomological Company
366 Arborway, Jamaica Plain, Mass.

HEADQUARTERS FOR

BEAUTIES

LILAC AND SNAPDRAGON

When in the market let us quote you.
Our prices are always right.

THE LEO NIESSEN CO.

Wholesale Florists

N. W. Cor. 12th and Race Sts.,

PHILADELPHIA, PA.

READER!!

HELP Us to Continue
Producing the

BEST TRADE PAPER

Just Mention **HORTICULTURE**
When Writing to Advertisers

THE BEST LETTERS

FOR
FLORIST'S
USE

R

THOSE
MADE
BY THE

Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. McCarthy, Mgr.

Block Letters, \$2.00 per 100.
Script Letters, \$3.00 per 100.

Order direct or buy from your local
supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always
in Stock

POEHLMANN BROS. CO.

Supply of Best Cut Flowers all the Year Around
72-74 EAST RANDOLPH ST., - - - CHICAGO.

If interested, send us your name and address for our weekly price list

WELCH BROS. CO.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARVLAND AND ALL THE
SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI March 22		CHICAGO March 22		BUFFALO March 22		PITTSBURG March 22	
Roses								
Am. Beauty, Special.....	40.00	to 50.00	20.00	to 30.00	10.00	to 15.00	10.00	to 15.00
" " Fancy and Extra.....	15.00	to 25.00	40.00	to 50.00	10.00	to 15.00	10.00	to 15.00
" " No. 1.....	8.00	to 12.00	20.00	to 30.00	10.00	to 15.00	10.00	to 15.00
Killarney, Richmond, Extra.....	10.00	to 15.00	10.00	to 15.00	10.00	to 15.00	10.00	to 15.00
" " Ordinary.....	3.00	to 5.00	4.00	to 6.00	4.00	to 6.00	4.00	to 6.00
Hillingdon, Ward, Sunburst, Extra.....	6.00	to 10.00	10.00	to 15.00	10.00	to 15.00	10.00	to 15.00
" " Ordinary.....	3.00	to 5.00	4.00	to 6.00	4.00	to 6.00	4.00	to 6.00
Maryland, Radiance, Taft, Extra.....	6.00	to 10.00	10.00	to 15.00	10.00	to 15.00	10.00	to 15.00
" " Ordinary.....	3.00	to 5.00	4.00	to 6.00	4.00	to 6.00	4.00	to 6.00
Russell, Hadley, Ophelia, Meek.....	4.00	to 6.00	5.00	to 7.00	5.00	to 7.00	5.00	to 7.00
Carnations, Fancy.....	3.00	to 4.00	4.00	to 5.00	4.00	to 5.00	4.00	to 5.00
" " Ordinary.....	2.00	to 3.00	2.00	to 3.00	2.00	to 3.00	2.00	to 3.00
Cattleyas	50.00	to 75.00	50.00	to 75.00	50.00	to 75.00	50.00	to 75.00
Lilies, Longiflorum	10.00	to 15.00	10.00	to 15.00	10.00	to 15.00	10.00	to 15.00
" " Rubrum.....	4.00	to 6.00	4.00	to 6.00	4.00	to 6.00	4.00	to 6.00
Lily of the Valley	10.00	to 15.00	10.00	to 15.00	10.00	to 15.00	10.00	to 15.00
Daisies	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00
Violets	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00
Snapdragon	5.00	to 10.00	5.00	to 10.00	5.00	to 10.00	5.00	to 10.00
Narcissus, Paper White	2.00	to 3.00	2.00	to 3.00	2.00	to 3.00	2.00	to 3.00
Freesias	2.00	to 3.00	2.00	to 3.00	2.00	to 3.00	2.00	to 3.00
Daffodils	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Tulips	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Sweet Peas	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00
Corn Flower	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00
Gardenias	10.00	to 25.00	10.00	to 25.00	10.00	to 25.00	10.00	to 25.00
Adiantum	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00
Smilax	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00
Asparagus Plumosus, Strings (100)	10.00	to 15.00	10.00	to 15.00	10.00	to 15.00	10.00	to 15.00
" " & Spreng. (100 bchs.).....	25.00	to 50.00	25.00	to 50.00	25.00	to 50.00	25.00	to 50.00

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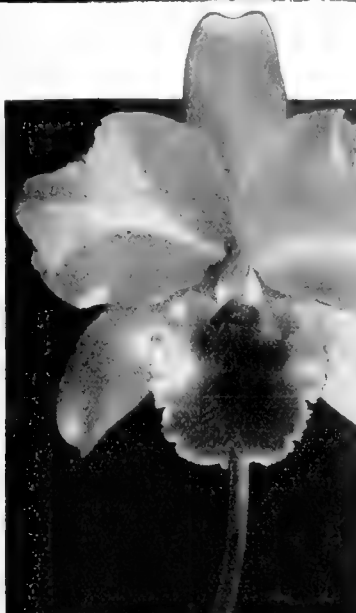
264 RANDOLPH ST., DETROIT, MICH

Flower Market Reports

BOSTON The wholesale cut flower market is still in uncertain condition as we go to press. The advance orders that four or five years ago were wont to presage brisk business are not forthcoming and retailers are holding off on flower purchases. They are stocking up heavily in plants of all kinds, although Easter lilies prevail. Splendid specimens of bougainvilleas and acacias are to be seen in the big stores. Although at present the volume of sales in cut flowers is far from satisfactory, nevertheless there is a slight advance in the prices of many items of stock. Prices of violets have doubled. Beauty roses are in medium supply but are not in special demand. The supply of tea roses of nearly all varieties is large, top grade blooms selling for only fair prices. Carnations are of excellent quality, the regular demand a trifle larger than last week. Cattleya Schroederiae is abundant and selling well. There are a few C. Mossiae. Longiflorum lilies flooded the stalls this week and were bought in large quantities. Potted lilies are in great demand, most of the growers having been sold out since the middle of last week. There is the usual large line of miscellaneous offerings such as callas, mignonette, pansies, antirrhinums, wall flowers, daisies, jonquils, etc. These are selling fairly well, but not at top-notch figures. Sweet peas are of good quality, Spencers being called for mostly.

For the past two weeks **BUFFALO** business has been rather uneven, some good days and some bad ones. There has been one item on the very scarce side, though at times there existed a shortage on carnations. Roses have been in moderate supply, also Beauties, lilies and callas. Peas of the orchid type have had good sales, also the ordinary have cleaned up pretty well. At this writing, March 29, we are having a heavy snow storm, in fact the mercury got down to 16 above zero.

Trade has been dull the **CHICAGO** past week. This is so often the case before a holiday only that which is absolutely necessary being bought. The latter part of the week saw a little gain as Palm Sunday drew near, that day meaning a demand for white and light pink flowers, mostly carnations, of which there were none too many. Monday and Tuesday of Easter week have seen the market fairly cleaned of carnations, American Beauties and medium roses. Extra fine stock is not sought for as a rule. Lilies are in evidence everywhere but the feeling prevails that a fair price will be maintained and that few will remain unsold after Easter. There is a good crop of roses. Sunburst is at its best and the stock is extra. Russell keeps on leading the rose market. Whether in medium or long stems this favorite is constantly gaining friends. Its form, color and keeping qualities seem to be all that can be desired. Other roses are in good supply. Bulbous stock is abundant. Lily of the valley, sweet peas, stock, snapdragon, forget-me-not and many other flowers give good variety. There is plenty of smilax, asparagus, etc.



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Some very delicate pink, almost white

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WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON		ST. LOUIS		PHILA.	
Roses	April 1	March 20	March 20	March 20	March 22	March 22
Am. Beauty, Special	15.00	to 50.00	40.00	to 50.00	35.00	to 50.00
" " Fancy and Extra	20.00	to 30.00	25.00	to 30.00	10.00	to 25.00
" " No. 1	4.00	to 10.00	15.00	to 20.00	4.00	to 8.00
Killarney, Richmond, Extra	4.00	to 12.00	10.00	to 12.00	6.00	to 10.00
" " Ordinary	2.00	to 4.00	4.00	to 6.00	2.00	to 5.00
Hillingdon, Ward, Sunburst, Extra	1.00	to 15.00	10.00	to 12.00	6.00	to 10.00
" " Ordinary	3.00	to 6.00	4.00	to 6.00	2.00	to 5.00
Maryland, Radiance, Taft, Extra	6.00	to 12.00	10.00	to 12.00	6.00	to 10.00
" " Ordinary	3.00	to 4.00	4.00	to 6.00	2.00	to 5.00
Russell, Hadley, Ophelia, Mock	4.00	to 15.00	12.00	to 15.00	4.00	to 15.00
Carnations, Fancy	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
" " Ordinary	1.50	to 2.00	1.00	to 2.00	2.00	to 3.00
Cattleyas	20.00	to 30.00	40.00	to 50.00	15.00	to 50.00
Lilies, Longiflorum	10.00	to 12.00	10.00	to 12.50	8.00	to 10.00
" " Rubrum	.....	to 8.00	.....	to 3.00	.....	to 8.00
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	1.00	to 4.00
Daisies	.50	to 1.50	1.00	to 2.00	.....	to 2.00
Violets	.50	to .75	.40	to .50	.20	to .50
Snapdragon	3.00	to 5.00	3.00	to 4.00	4.00	to 15.00
Narcissus, Paper White	1.00	to 2.00	3.00	to 4.00	1.50	to 2.00
Freesias	.....	to 2.00	2.00	to 3.00	1.00	to 3.00
Daffodils	1.00	to 3.00	2.00	to 3.00	1.00	to 3.00
Tulips	1.00	to 2.00	3.00	to 4.00	2.00	to 3.00
Sweet Peas	.25	to 1.00	.40	to 1.50	.35	to 1.00
Corn Flower	.50	to .75	.....	to 1.50	.....	to 2.00
Gardenias	20.00	to 30.00	.....	to 5.00	.....	to 20.00
Adiantum	.50	to 1.00	1.00	to 1.25	.....	to 1.00
Smilax	.....	to 12.00	.....	to 15.00	15.00	to 20.00
Asparagus Plumosus, Strings (100)	25.00	to 50.00	35.00	to 50.00	.....	to 50.00
" " & Spreng. (100 Bchs.)	25.00	to 40.00	25.00	to 35.00	25.00	to 50.00

The outlook is that **NEW YORK** there will be a tremendous business done at Easter this year. There will be no scarcity of anything, with the possible exception of orchids, which, on account of the very limited supply at present have made a sharp jump in market prices. Quality of stock is superb in all lines. But at this writing we can only talk in future tense while our readers will have no interest in futures by the time they find opportunity to peruse it so we may as well drop the subject here and wait until next week, when we can give the Easter story in its reality. So we close with best wishes that the Easter business of 1915 may overtop the most sanguine hopes of growers, wholesalers, retailers and all others who are interested in the outcome of the big spring floral event.

There is nothing **PHILADELPHIA** much new to report. Business continues on a fairly even keel. Rather more good stock in all lines than can be used to advantage. Carnations, if anything, are an exception to this. These are selling up pretty well and few good ones are left over. But roses are plentiful indeed and prices distinctly in the buyers' favor. American Beauty, Richmond, Russell, Killarney and all the staples show up in excellent form. The double pink Killarney is the only one that can be called a little off as to color. Snapdragon is very fine, the usual spring showing both as to quality and quantity being very much in evidence. In sweet peas, gardenias, violets, lily of the valley, orchids, there are abundant supplies at very moderate prices. Advance or-

(Continued on page 474)

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NEW YORK QUOTATIONS PER 100. To Dealers Only**ROSES AND CARNATIONS**

	Last Half of Week ending Mar. 27 1915		First Half of Week beginning Mar. 29 1915	
American Beauty, Special	15.00	to 30.00	20.00	to 30.00
" " Fancy and Extra	10.00	to 20.00	10.00	to 20.00
" " No. 1	5.00	to 10.00	5.00	to 10.00
Killarney, Richmond, Extra	5.00	to 6.00	4.00	to 8.00
" " Ordinary	1.00	to 3.00	2.00	to 4.00
Hillingdon, Ward, Sunburst, Extra	5.00	to 6.00	4.00	to 10.00
" " Ordinary	1.00	to 3.00	2.00	to 4.00
Maryland, Radiance, Taft, Extra	4.00	to 6.00	4.00	to 6.00
" " Ordinary	1.00	to 3.00	1.00	to 4.00
Russell, Hadley, Ophelia, Mock	4.00	to 12.00	8.00	to 12.00
Carnations, Fancy	2.00	to 2.50	2.00	to 4.00
" " Ordinary	1.00	to 1.50	1.00	to 2.00

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A. J. GUTTMAN, President

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101 W. 28th St., NEW YORK

We have 20 years' experience behind us.
Telephone, Madison Square 886 and 897.



Flower Market Reports

(Continued from page 473)

ders for Easter show up well as compared with last year at this time, and the trade seems to have a very hopeful feeling as to the outlook. In the Easter plant end, the growers report a good demand, and from all accounts there promises to be very little surplus of good stock. It looks to us as if lilies were rather redundant, but you never can tell. The quality certainly shows up very good this year all along the line. Much better than last year on the average.

SAN FRANCISCO

There is little change in local market conditions since last week. Some varieties of flowers suffered to a certain extent from the sudden change from cool to hot weather and back again, but nothing was affected very seriously. Violets were probably the hardest hit, but the season was nearing a close anyway and the supply for shipment had already become rather scarce. The new offerings of gardenias are a little smaller as a result of the three days' high temperature and the quality of some other lines will no doubt show some effect later on. Final preparations for Easter are demanding principal attention at present, and there is every reason to expect ample supplies and fairly heavy business. Lilies are plentiful and the season is opening well. The leading retail stores are displaying fine specimens of lilacs, both white and purple, French hydrangeas, peonies, rambler roses and other seasonables, while the late daffodils, Darwin tulips, freesias, narcissus and other bulbous stock are in fair quantity and of fair quality. Sweet peas are coming in freely with a normal demand, and a little better call is noted for carnations. Lots of fruit blossoms are being used for decorative work.

ST. LOUIS

The past week trade was slow, stock plentiful and prices low. Roses and carnations, violets and sweet peas are in abundance and will be this week. Easter lilies and callas are enough to go around for all demands, as is also all other bulb stock, and Easter prices are going to be low.

WASHINGTON

Potted plants of many kinds are being shipped into this market in exceptionally large quantities, for not in recent years has stock been so plentiful. Single violets which are the best sellers in this locality, are a shortage and dealers have had to rely upon the New York doubles. Sweet peas are over-plentiful and selling low. Cut Easter lilies have been moving well at \$12.50, and it is expected that this price will prevail for worth-while stock. Killarney roses are not moving very well. Snapdragon, with enormous stems, are in fine favor. The white and pink Pearl rhododendrons offered for Easter are said to be the finest seen here in years, and one firm has sent in three hundred in full bloom. Orchids are quite scarce but there will be enough to meet a limited demand.

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New Jersey.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Mar. 27 1915		First Half of Week beginning Mar. 29 1915	
Cattleyas.....	25.00	to 40.00	35.00	to 75.00
Lilies, Longiflorum.....	3.00	to 6.00	6.00	to 10.00
" Rubrum.....	1.00	to 3.00	1.00	to 5.00
Lily of the Valley.....	1.00	to 2.00	2.00	to 3.00
Daisies.....	1.00	to 2.00	1.00	to 2.00
Violets.....	.10	to .30	.25	to .50
Snapdragon.....	4.00	to 6.00	4.00	to 6.00
Narcissus, Paper White.....	1.00	to 1.50	1.00	to 2.00
Freesias.....	1.00	to 2.00	1.00	to 2.00
Daffodils.....	1.00	to 2.00	1.00	to 2.00
Tulips.....	1.00	to 2.00	2.00	to 3.00
Sweet Peas.....	.50	to 1.00	.50	to 2.00
Corn Flower.....	.....	to 1.00	.....	to 1.00
Gardenias.....	3.00	to 12.00	8.00	to 25.00
Adiantum.....	.50	to .75	.50	to 1.00
Smilax.....	6.00	to 10.00	8.00	to 10.00
Asparagus Plumosus, strings (per 100).....	35.00	to 50.00	35.00	to 50.00
" & Spren (100 bunches).....	10.00	to 25.00	20.00	to 40.00

Obituary

Henry Murphy.

Henry Murphy, a well known Brooklyn florist, died March 24th, at his home, 511 53d street. He is survived by his wife and three daughters.

Andrew J. Freeman.

Andrew J. Freeman of Malden, Mass., for the past eleven years secretary of the Board of Park Commissioners, died suddenly, Tuesday evening, of heart disease, while on his way home from a meeting of the board. Mr. Freeman was 70 years of age and was one of the best known men in the city, having held many public offices. Funeral was Saturday afternoon at 2 o'clock from his late residence, 110 Laurel street.

Andrew Hawkins.

Andrew Hawkins, aged 89, horticulturist of international repute and resident of Niagara Falls, Ont., Canada, died Monday night, March 29, at his home, Niagara Falls, following a brief illness. People from all sections of Canada frequently came to Niagara Falls to see the flowers around the Hawkins homestead. Up to six months ago Hawkins was hale and hearty. He leaves five sons. Interment was Thursday, April 1, in Niagara Falls, Ont.

Mrs. H. G. Berning.

Mrs. Henry G. Berning, wife of the well-known wholesale florist, died on Sunday, March 28th, after a long illness of three years at her home, 4211 Westminster Place. Mrs. Berning was a member of the Ladies' Home Circle, also of the Ladies' S. A. F. She was born in Germany and is survived by her husband, brother, Otto Bruenig, and her sister, Emma Bruenig. Sympathy was expressed by their many friends in the trade. The funeral which took place March 30th at New St. Mark's Cemetery, was private.

George R. Frow.

George R. Frow, who was in business with his father Richard Frow, at Natural Bridge Road and Wabash in Normandy, died on Friday, March 26, after a short illness, at the age of 35 years. Mr. Frow was brought up in the business from boyhood and was a member of the St. Louis Florist Club.

He leaves a wife, mother, father, sister and brother to mourn his loss. The funeral took place March 29th from his late residence to St. Peter's Cemetery. Many beautiful floral pieces were sent by friends in the trade and the St. Louis Florist Club, many members of which attended the funeral.

Charles W. Yost.

C. W. Yost died on Wednesday morning, March 24, at the home of his daughter in Wakefield, R. I. in the 78th year of his age. He had been in failing health for several months. Mr. Yost was a native of Germany and came to this country when a young man. For many years he was employed as gardener on the Coates estate at Narragansett Pier. In 1884, he became gardener for George V. Cresson and had charge of his "Stone Lea" grounds, on the "Rocks" until after Mr. Cresson's death. About three years ago Mr. Yost came to live with his daughter in Peace Dale and within a year moved to the house in Wakefield where he died. He was a great lover of flowers and had been the judge at the annual chrysanthemum show in Peace Dale almost every year. The many friends of "Charlie" will miss him. He was a man of pleasant ways and well liked.

BUSINESS TROUBLES.

Waterbury, Ct.—Geo. T. Ryan, assets, \$600; liabilities, \$2,300.

New Bedford, Mass.—William P. Peirce; liabilities, \$6,857; assets, \$500.

Memphis, Tenn.—Albert Haisch, florist, 87 Madison avenue; liabilities, \$5,613.77, assets, \$4,092.55. Omar L. Jewell has been appointed receiver.

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Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.

Folding cut flower boxes, the best made. Write for list. HOLTON & HUNKEL CO., Milwaukee, Wis.

BOX TREES

BOX TREES—Standards, Pyramids and Bush. In various sizes. Price List on demand. JULIUS ROEHRS CO., Rutherford, N. J.

BULBS AND TUBERS

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Ralph M. Ward & Co., New York City.
Lilly Bulbs.

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Arthur T. Boddington, New York City.
Spring Bulbs.

C. KEUR & SONS, HILLEGOM, Holland.
Bulbs of all descriptions. Write for prices.
NEW YORK Branch, 8-10 Bridge St.

BUTTERFLIES

New England Entomological Co., Jamaica Plain, Mass.

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CANNAS

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Canna Specialists.

Send for Canna book.

THE CONRAD & JONES COMPANY,
West Grove, Pa.

5000 King Humbert Cannas, \$2.00 per 100, 200 for \$3.50; also 50,000 seasonable shrubs, vines, privet, etc., low. Send for list. BENJ. CONNELL, Florist, Merchantville, N. J.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
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CARNATION STAPLES

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 1000 for 35c.; 3000 for \$1.00 post paid. I. L. PILLSBURY, Galesburg, Ill.

Supreme Carnation Staples, for repairing split carnations, 35c. per 1000; 3000 for \$1.00. F. W. WAITE, 85 Belmont Ave., Springfield, Mass.

CHRYSANTHEMUMS

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Wood Bros., Fishkill, N. Y.
Chrysanthemums Rooted Cuttings.
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THE BEST 1915 NOVELTIES.

The Cream of 1914 Introductions.

The most popular Commercial and Exhibition kinds; also complete line of Pompons, Singles and Anemones. Trade list on application. ELMER D. SMITH & CO., Adrian, Mich.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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CYCLAMENS

Thomas Roland, Nahant, Mass.
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CYCLAMEN GIGANTEUM

For several years we have been working for the improvement of the Cyclamen; we offer for March and April delivery, young thrifty plants from 2 in. pots, giant white, white-pink eye, giant pink, dark red, brilliant red, at \$5.00 per 100; Glory of Wandsbek (brilliant salmon) at \$8.00 per 100. These are plants produced from our own improved strain.

J. A. PETERSON & SONS

Westwood, Cincinnati, Ohio

DAHLIAS

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange. GEO. H. WALKER, Dahlia Expert, North Dighton, Mass.

DAHLIAS.

Send for Wholesale List of whole clumps and separate stock; 40,000 clumps for sale. Northboro Dahlia and Gladiolus Gardens. J. L. MOORE, Prop., Northboro, Mass.

NEW PAEONY DAHLIA

John Wannamaker, Newest, Handsomest, Best. New color, new form and new habit of growth. Big stock of best cut-flower varieties. Send list of wants to PEACOCK DAHLIA FARMS, Berlin, N. J.

ALEXANDER'S QUALITY DAHLIAS are the best on the market; 800,000 Clumps to offer, at rock bottom prices, in full field clumps, and strong divisions. If you are looking for stock for your 1915 Catalogue, or for forcing, send at once for free catalogue. J. K. ALEXANDER, "The Dahlia King," East Bridgewater, Mass.

DECORATIVE PLANTS

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FUCHSIAS

Fuchsias—Black Prince, Speciosa, double
purple and white, Rooted Cuttings, \$1.00
per 100; 2 1/4-in., \$2.00 per 100.

W. J. BARNETT, R. D. 67, Sharon, Pa.

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Madame Sallerol, 2-inch, \$2.00 per 100.
WM. DOEL, Pascoag, R. I.

Geraniums, 3-inch strong plants, ready
to pot up, S. A. Nutt, \$4 per 100. Cash.
CHAS. H. GREEN, Spencer, Mass.

GLADIOLUS

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Gladioli, first size, true to name, per 1000,
Mrs. F. King, Princeps, Hollandia, \$10.00;
Augusta, Hulot, Halley, \$12.00; Panama,
\$30.00; Pendleton, \$15.00 per 100; Niagara,
\$4.00 per 100; Europa, \$7.25 per 100; War,
\$0.75 per 100; Blue Jay, \$14.50 per 100;
also planting stock. Send for list. RAY-
MOND W. SWETT, Stoughton, Mass.

GLASS

Sharp, Partridge & Co., Chicago.

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Greenhouse glass, lowest prices. JOHN-
STON GLASS CO., Hartford City, Ind.

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Red Devil Glass Cutter.

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Standard Insecticides.

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Plantlife Insecticide.

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Roman J. Irwin, New York City.

Nico Fume Liquid and Paper.

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IVY

English Ivy Rooted Cuttings, 75c. per 100,
post paid. From soil 20 to 30 in., \$3.00.
From pots 12 to 15 in., \$4.00. CHAS. FROST,
Kenilworth, N. J.

LEMON OIL

Lemon Oil Co., Baltimore, Md.

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Japanese Lily Bulbs of Superior Quality.

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"NICO-FUME"

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In writing to Advertisers kindly mention Horticulture

NIKOTEEEN

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New England Nursery Co., Bedford, Mass.
Hardy Planting Stock.
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Choicest lawn shrubs, covering plants and
border perennials. Large stock. Prices
low. Any quantity. Send for list.

WYOMANOCK NURSERIES,
R. 7, Lebanon Springs, N. Y.

American Forestry Co., Boston, Mass.
Trees and Evergreens.
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NUT GROWING.

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Pelargonium Clorinda.
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PEONIES

Peonies. The world's greatest collection.
1200 sorts. Send for list. C. BETSCHER,
Canal Dover, O.

PECKY CYPRESS BENCHES

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Rose Specialists.

THE CONARD & JONES COMPANY,
West Grove, Pa. Send for offers.

The best everblooming pink bedding rose
Jonkheer J. L. Mock, strong 2-year-old
bushes, 25c. each; \$2.50 per doz.; \$20.00 per
100. Special prices on larger quantities.
J. H. GOULD, Middleport, N. Y.

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SNAPDRAGONS

Thoroughly Tested Strains.

Silver Pink, Golden Fleece, Pure white
(winter bloomer). Rooted cuttings, \$2.00
per 100; potted plants, 2-inch, \$4.00 per 100.

F. SOUTHWORTH,

25 Hudson St., Lynn, Mass.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and
orchid baskets always on hand. LAGER
& HURRELL, Summit, N. J.

STOVE PLANTS

Orchids—Largest stock in the country—
Stove plants and Crotons, finest collection.
JULIUS ROEHRS Co., Rutherford, N. J.

STRAWBERRY PLANTS

Strawberry Plants, twenty varieties, at
\$2.50 per 1000. Catalogue free. BASIL
PERRY, Georgetown, Delaware.

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SWEET PEA SEED

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"JOHN BAER" TOMATO

J. Bolgiano & Son, Baltimore, Md.

TRITOMAS

Tritoma Pfitzeri, strong crowns. Write
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Spring, Pa.

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STOCK.**

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HAMMOND'S THIRP JUICE NO. 2.

Hammond's Plant & Slug Shot Works,
Beacon, N. Y.
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HARDY ROSES.

Arthur T. Boddington, New York City.
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WANTS, FOR SALE, ETC.

Advertisements in this column
one cent a word. Initials count
as words. Cash with order. All
correspondence addressed "Care
HORTICULTURE" should be sent
to 11 Hamilton Place, Boston.

SITUATIONS WANTED

SITUATION WANTED—As general man
on private estate; married, two children;
understands flowers, lawns, vegetables and
shrubs, also care of furnaces. Handy with
tools. Reference given. Address S. J., care
of HORTICULTURE.

SITUATION WANTED—As assistant gar-
dener. Experienced both inside and out.
Inside work preferred. Will furnish refer-
ences. Address M., care of HORTICUL-
TURE.

SITUATION WANTED—By all round
greenhouse man, good potter; steady work
desired. Address L. J. K., 11 Weldon St.,
Roxbury, Mass.

FOR SALE

FOR SALE—Fresh from factory, new;
10 x 12, 16 x 18, 16 x 24, double thick. A
and B qualities. Market dropped. Now is
the time to buy and save money. **PAR-
SHELSKY BROS., INC., 215-217 Have-
meyer St., Brooklyn, N. Y.**

THE PRACTICAL BOOK

OF

Outdoor Rose Growing

FOR THE HOME GARDEN

by

GEORGE C. THOMAS, JR.

Elaborately Illustrated with 96 Perfect
Reproductions in Full Color of All
Varieties of Roses, and a Few Half-
tone Plates. Octavo, Handsome Cloth
Binding, in a Slip Case. \$4.00 net.
Postage Extra.

We have sold a number of copies of
this sterling book. One purchaser
writes as follows:

HORTICULTURE, Boston, Mass.

Dear Sir: Some time ago we ordered
a copy of Thomas' Book on Roses. We
promised to send you postage as soon
as we learned the amount. The book
was so good that we forgot all about
postage until today. Please forgive our
lapse of memory.

We loaned it to a friend and he likes
it so well we're afraid that we will
have to buy another.

Respectfully,
New York.

A. R.

Every rose grower should possess a
copy of this book.

IT IS THE REAL THING

Order From

Horticulture Publishing Co.

BOSTON.

In writing to Advertisers kindly mention Horticulture

NITROGEN TRAPS FOR THE FARM.

Robert L. Brady, Professor of Geology, University of Southern California.

Nitrates are expensive and a cry goes up from the gardens of the Atlantic to the orchards of the Pacific for more nitrates—cheaper nitrates, if possible, but cheap or not, we must have them.

Our Government has men out searching the deserts of the West for possible supplies, and manufacturers of fertilizers are racking their brains for means of obtaining cheaper supplies.

It is a matter of national importance, for well tilled productive farms make for prosperity and a decrease in the productiveness of the soil is inevitably followed by a corresponding ebb in the tide of prosperity.

It is time that everyone realized the fact that there are millions of tons of nitrogen resting on every acre of land, and that it can be trapped and used. All that is necessary is to use some explosives to open up the soil so that the air can penetrate it deeply, and then set out a few million little traps attached to some plant roots and trap all the nitrogen you want into the soil.

Nitrogen.

This element is a colorless, odorless, tasteless, inert gas that refuses to join with anything else under ordinary conditions, and is seemingly neither harmful nor beneficial; yet it is really the Proteus of the elements, the harlequin of the laboratory. In one form it may be neutral, in another a helpful friend, or it may be a powerful, dangerous enemy. Breathed in as part of the air it is not noticed. Inhaled in ammonia its pungency is appreciated. Used as nitric acid its vigor is realized. Fired as nitroglycerine its disruptive qualities are respected. Its use in medicine fills a large space in the indexes. It is useful in all the arts and sciences, but in none is it of greater value to mankind than in agriculture, for in some form or other it is an essential constituent of animals and plants, animals getting their supply from plants.

The atmosphere consists essentially of a mixture—not a combination—of oxygen and nitrogen in the proportion of 79 volumes of nitrogen to 21 volumes of oxygen, or by weight, of 77 per cent. of nitrogen to 23 per cent. of oxygen. In the air it is inert, neither burning nor supporting combustion, but serving the useful purpose of diluting the oxygen.

An Inexhaustible Supply.

The atmosphere gives us a great reservoir to draw from, an inexhaustible supply, for all that is drawn from it, in time, returns to it in the cycles of plant and animal life. It has been estimated that if the population of the earth was 1000 million it would take 3800 years for their respiration to use up 1 per cent. of the oxygen of the air if none was returned to the air in the meantime; and there is about four times as much nitrogen to draw from as there is oxygen. This nitrogen in the air is pressing down upon the soil demanding entrance, the atmospheric pressure being nearly 15 pounds to the square inch, or more than a ton to the square foot.

Ordinary sources of nitrogen are found in nitrate of soda, Chile salt-peter—which contains 15 to 16 per cent.; dried blood containing 12 to 14 per cent.; sulphate of ammonia 20;

and cotton-seed meal 7 per cent. of nitrogen. Some of the other sources are hoof meal, dry ground fish, guano, meat meal, linseed meal and castor pomace. It is also obtained commercially from the air. Stable manure contains ordinarily only about one-half of 1 per cent.; while legumes inoculated with the nitrogen-producing bacteria yield 8 per cent. or more.

The use of chemicals is not an unmixed blessing, for there are certain objectionable features that must not be overlooked. Nitrate of soda leaches out rapidly and cannot be applied very long before the date when the plants need it most, and its application at such a time may be difficult, expensive and at least very inconvenient. It at best only a temporary expedient and does not add nitrogen to the soil for succeeding crops. An excess of chemical nitrates may prove injurious, producing an excessive leaf and branch growth at the expense of the fruit. Continued use of the Chile salt-peter, as the plant uses only the nitrogen, may in some soils cause an accumulation of the soda, creating an alkali condition.

Nitrogen Traps.

While most crops exhaust the nitrogen in the soil, it has been known ever since the days of Rheme that the pod-bearing beans, peas, lupines and other legumes actually increase it, leaving supplies of it in the soil ready for the next crop. Now it is known that the nodules or wart-like growths on the roots of the legumes are nitrogen traps. They are the tenement houses inhabited by myriads of certain bacteria that are specialists in chemistry. They devote their lives to taking nitrogen out of the soil atmosphere, out of the air, and of storing it in their nodular laboratories in a form that the host plant can use.

Nitrogen Bacteria.

Bacteria are the smallest living organisms known. Thousands of them could rest comfortably together on the head of a pin, and a single nodule. One tiny nitrogen trap is big enough to contain more inhabitants than there are in one of our largest cities. They occupy the border line between the animal and vegetable kingdom. The names of the individual numbers of the tribes is legion. Many are useful some are neutral or harmless, and some are belligerent and dangerous. They multiply by cell division with wonderful rapidity and also form resting spores which serve to tide the species over a period of drought, famine or unsuitable temperature, and to preserve alive in a hostile environment enough individuals to provide against extinction. In this stage they may be dormant for years. These nitrogen bacteria go into partnership with the host plant, the legume supplying sugar and the salts upon which the bacteria live, and the bacteria pay for their board and lodgings by supplying the plants with the nitrogen they need.

Nitrification is one of the most interesting phases of soil life, for when any animal or vegetable matter dies and decomposes there is a seething caldron of chemical changes set in action from which finally emerge simple bodies like carbon dioxide and ammonia. The ammonia is oxidized into nitrites by one form of bacteria, and another form oxidizes these still far-

ther into soluble nitrates, in which form the plants can use it.

The vast importance of these home-made nitrogen traps will be better appreciated if we remember that while nitrogen is absolutely essential, yet it is not a part of the minerals composing the soil, that it is the most expensive to supply in chemical form and is the most difficult to retain in the soil if in the form of soluble chemicals. With these simple traps the growing crop is supplied with all the nitrates it needs and large quantities are left in the decaying roots for following crops.

The different species of nitrogen bacteria are strikingly different in size and shape, and each legume has its own pet bacteria with which it works in heartiest co-operation and grows to best advantage. About thirty varieties are now cultivated and bred. Beans should be inoculated with bean bacteria, alfalfa must have alfalfa bacteria and vetch its own kind.

If the correct bacteria are not already in the soil, it becomes necessary to add them. This may be done in the form of commercial cultures added to the seed or soil, or by adding soil from a field that is known to have them in large amounts, to the soil and harrowing it immediately. Other things being equal, the better the inoculation, the better the crop, the richer the land in nitrates, and the broader the smile of the man who shatters his soil to sufficient depths and sets the traps.

Benefits.

Nitrates are used by the plants in forming a variety of compounds, mostly of the nature of proteids, like the gluten of wheat and legumen of peas. These proteids are the great muscle-building foods of animal life. The use of these nitrogen traps often increases the proteid contents of a crop 25 per cent. The distribution of nitrogen through a plant is shown by an analysis of a peach, the pulp, containing .08 per cent. of nitrogen, the stones .27 per cent., the leaves .9, and the new wood .43 per cent. Nitrogen promotes the growth of leaves and stem, and deepens the color of the leaves; while a lack of this food often shows itself in paleness of leaf, lack of gloss, scanty foliage, and an apparent lack of vigor. Inoculated plants give quicker growth, earlier maturity and an increased food value; enrich the soil for future crops, and call for less labor and expense. Legume roots go deep and bring up potash and phosphorus from the depths below. By inoculating the seed of the soil the baby roots are supplied from the first and do not have to search for nitrogen, while the tops have to wait until the supplies begin to arrive. Legumes not inoculated are great soil robbers, and alfalfa exhausts instead of improving the ground.

Explosives Necessary.

The process is one of oxidation, and air must penetrate the soil and go down deep into the subsoil. The ground must be cracked and the particles loosened or separated, and the subsoil should not be mixed with the top soil. The ground should be well drained, without destroying the capillarity. Only explosives will do this work deep enough so that the roots of the legumes will go down 4, 6 or more feet, leaving nitrogen in the ground, forming humus from the decay

HAMMOND'S THRIP JUICE No. 2

Hammond's Paint & Slug Shot Works, Beacon, N. Y.

Dear Sirs: After trying Thrip Juice No. 2 for two seasons, I can say it is the best article I ever used for thrip on roses or carnations, also for white fly. The latter was the worst pest we had to contend with, but after three applications, about four (4) days apart, we were practically free from it. I find it is advisable to apply in the evening, and with a good, strong force pump, proportion one to forty.

(Signed) T. J. OPPERMAN, Florist,
Camp Hill, Pa.

January 14, 1915.



Sold by
the
Seedsman
all over
America.

YOU ARE SURE of GOOD RESULTS
If You Use
DIAMOND BRAND COMPOST

WELL-ROTTED HORSE MANURE
Dried—Ground—Odorless

For mulching it cannot be equaled as it is nutritious, immediate, and convenient to handle. Always ready for mixing with soil for potted plants and soil for benches. Largely HUMUS, rich in plant foods and positively free from weed seeds. It also makes a rich liquid manure. Write for Circular "B" and prices.

NEW YORK STABLE MANURE CO
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NIKOTEEN For Spraying
APHIS PUNK For Fumigating
ASK YOUR DEALER FOR IT.
NICOTINE MFG. CO. ST. LOUIS, MO.



Guaranteed under the Insecticide Act, 1910. Series No. 321

Save your plants and trees. Just the thing for Greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrip, Red Spider, Black and Green Fly, Mites, Ants, Insects on Rose-bushes, Carnations, etc., without injury to plants and without odor. Used according to directions our standard Insecticide will prevent ravages on your crops by insects.

Non-poisonous and harmless to user and plants. Leading Seedsman and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pests. Excellent as a wash for dogs and other animals. Relieves mange.

Effective where others fail.

1/2 Pint...25c; Pint...40c; Quart...75c
1/2 Gal., \$1.25; Gal., \$2.00; 5 Gal. Can., \$9
10 Gal. Can., \$17.50

Dilute with water 30 to 50 parts.

For Sale by Seedsman and Florists' Supply Houses
If you cannot obtain this from your supply house write us direct.

LEMON OIL COMPANY, Dept. K
420 W. Lexington St., Baltimore, Md.
Directions on every package



Unequalled for Greenhouse and
Landscape Fertilizing

THE PULVERIZED MANURE CO.
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Cocoanut Fibre Soil WAR

Does not stop the use of Humus. All seedsmen keep it in stock. It is the last word in Fertilizing Humus. Send for Prices.

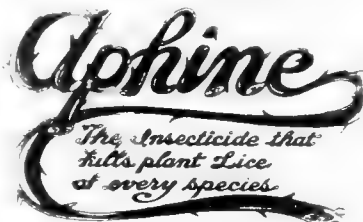
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27 & 29 OCEAN ST., BEVERLY, MASS.

Aetna Brand Tankage Fertilizer

Is the best balanced Fertilizer on the market, and is giving satisfactory results wherever used.

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809 Exchange Ave., Room 5, U. S. Yards,
CHICAGO, ILL.
Telephone—Drever 1932.

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The Recognized Standard Insecticide.

A spray remedy for green, black, white fly, red spider, thrips, mealy bug and soft scale.
Quart, \$1.00; Gallon, \$2.50.

FUNCINE

An infallible spray remedy for rose mildew, carnation and chrysanthemum rust.
Quart, 75c; Gallon, \$2.00.

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A soil sterilizer for cut, eel, wire and angle worms.
Quart, \$1.00; Gallon, \$3.00.

SCALINE

A scaleicide and fungicide combined for San Jose and various scale on trees and hardy stock, and various blights which affect them.

Quart, 75c; Gallon, \$1.50.

NIKOTIANA

A 12% nicotine solution properly diluted for fumigating or vaporizing.
Quart, \$1.50; Gallon, \$4.50.

If you cannot obtain our products from your local dealer, send us your order and we will ship immediately through our nearest agent.

Aphine Manufacturing Co.
MADISON, N. J.

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SCOTCH SOOT

Where there is a house that is just full of buds almost ready to show color, nothing will turn better color into the flowers than a little soot, that can be scattered over the benches before watering. The amount applied should not be excessive, as the soot is very strong and may damage some of the foliage somewhat. Apply just enough to blacken the surface of the soil in the benches, and let it go at that. Better a little oftener than too much all at once.

We offer the genuine in original cwt. Sacks, at:
\$4.00 per 112 lbs.; \$17.50 per 560 lbs.

Stumpp & Walter Co.
30-32 Barclay Street, NEW YORK

Little Ads Bring Big Returns

Little ads. in our Classified Columns bring big returns to both advertiser and purchaser.

Anything that can be sold to florists, gardeners, park and cemetery superintendents, etc., can be sold through this medium in this department, and at very small cost. Don't fail to read them each issue, for you will find one or more that will prove profitable to you.

They Cost Only One Cent
A Word Undisplayed

Plantlife Insecticide

A tobacco preparation used by the best growers for dusting and spraying.
Write for book of testimonials and prices.

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Est. 1765

FOR "POT LUCK" USE

Inc. 1904

Pot Makers for a
Century and a Half**HEWS STANDARD POTS**World's Largest
ManufacturersWrite for Catalogue
and Discounts**A. H. HEWS & CO., Inc., Cambridge, Mass.**Warehouses:
CAMBRIDGE, MASS.
NEW YORK, N. Y.**DREER'S "Riverton Special" Plant Tub**

No.	Diam.	Ea.	Doe.	100.
10	20 in.	\$1.45	\$16.00	\$130.00
20	18 in.	1.30	14.00	115.00
30	16 in.	1.00	11.25	92.00
40	14 in.	.85	7.00	56.00
50	12 in.	.45	5.00	40.00
60	10 in.	.38	4.00	32.00
70	8 in.	.30	3.50	28.00

Manufactured for us exclusively. The best tub ever introduced. The neatest, lightest and cheapest. Painted green, with electric welded hoops. The four largest sizes have drop handles.

HENRY A. DREER, Seeds, Plants, Bulbs, and Supplies, 714 Chestnut Street, Philadelphia, Pa.

of the roots, dissolving out phosphorus and potash compounds and rendering them available. In brief this combination of deep plowing with explosives and trapping nitrogen is the quickest, cheapest and most efficient way known for converting the subsoil into soil.

Setting the Traps.

Inoculate the seed or soil according to the best practice. Plant the inoculated legume either alone or together with some other crop and plow under as much of the mature crop as possible. If necessary use 2000 to 4000 pounds of lime, not gypsum, per acre.

Why not trap nitrogen out of the free air, instead of hauling it out of a costly sack? This way requires you to draw on your brain a little, instead of on your pocketbook much.

—*Practical Farming.*

**GREENHOUSES BUILDING OR CON-
TEMPLATED.**

Syracuse, N. Y.—Onondaga Park, 300 ft. house.

St. Paul, Montreal, Can.—E. J. Hayward, fern house.

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Binghamton, N. Y.—Susquehanna Valley Greenhouses, capital stock, \$20,000. Incorporators, Fred A. Hutchings, Harry A. Darling and Chas. R. Stewart.

Brookline, Mass.—The explosion of a kerosene stove in a small frame structure used for mushroom growing at Holm Lea, the Brookline estate of Prof. Charles S. Sargent, resulted in \$50 damage, Wednesday evening, March 31.



"It's all in the wheel"

**Red Devil Glass Cutter
No. 024**

A very popular tool that cuts glass with precision. Sample sent postpaid for 3 two-cent stamps. Booklet on request.

SMITH & HEMENWAY CO.
181 Chambers St., New York City.

RED CEDAR**Write for Catalogue
Tree Tubs and Brass Hoop
Jardiniere**

The extension stave foot prevents the bottom from rotting. No chance for water to collect and rot the floor. The American Woodenware Mfg. Company
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**METROPOLITAN MATERIAL CO.**

Patented Greenhouses—Heating Engineers
Hotbed Sash, Glass, etc.

1302-1414 Metropolitan Ave., BROOKLYN, N. Y.

**1000 READY PACKED CRATES
STANDARD FLOWER POTS AND BULB PANS**

can be shipped at an hour's notice. Price per crate:

2000 1 1/4 in. @ \$6.00	500 4 in. @ \$4.50
1500 2 " " @ 4.88	450 4 1/2 " " @ 5.24
1500 2 1/4 " " @ 5.25	320 5 " " @ 4.61
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August Rohrer & Sons, 51 Barclay St., N. Y. City, Agents
OUR SPECIALTY—Long Distance and Trade Export



The best PAPER POT for shipping purposes. Sizes from 2 in. to 6 in.

Ask your dealer for them. Samples free.

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**-STANDARD FLOWER
POTS**

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

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- 28th & M Sts. Washington, D. C.

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On Ventilating Apparatus and Greenhouse Fittings.

ADVANCE CO., RICHMOND, IND.

NOW SEND US THAT INQUIRY ON

Greenhouse Construction and Heating Material

Hot Bed Sash Pecky Cypress Celery Boards
Knock Down Plant Boxes

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BUILD NOW and get ready for the Spring rush

IT IS COMING

Greenhouse Stock — Bench Lumber — Hot Bed Sash

THE A. T. STEARNS LUMBER COMPANY

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ASK FOR CIRCULAR D

SHARP, PARTRIDGE & CO.

Are Leaders in

GREENHOUSE GLASS

OUR PRICES WILL PROVE THIS.

CHICAGO, ILL.

KING

The name that assures "the most for the money" in

GREENHOUSES

Write for Bulletin No. 47 and you will see why.

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TRADE MARK.
SKINNER SYSTEM
OF IRRIGATION.
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for Farm, Garden, Lawn and Greenhouse

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CAMPBELL IRRIGATION

We lead the world in overhead irrigation of all kinds. Send for revised edition of our booklet "Modern Irrigation," and literature describing our circular irrigation sprinklers, the Campbell Automatic and Campbell Turbo-Irrigator, and the new Automatic Oscillator for overhead pipes.

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Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts. The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid.
Samples free.
HENRY A. DREER,
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FULL SIZE No 2



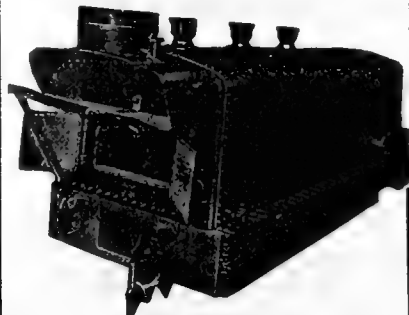
Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

THE FLORISTS' HAIL ASSOCIATION OF AMERICA, insurer of 39,000,000 sq. ft. of glass

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Greenhouse Material Hot Bed Sashes

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PATENT LAWYERS

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Quaker City Machine Co.
TO
THE JOHN A. EVANS CO.
Richmond, Ind.



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The Milton H. Bickley Range at Chester, Pa.

A MAN of many and varied interests is Mr. Bickley. The policeman I asked, said he "was a druggist." The cab driver said he "owned the largest iron works in the city." The girl in the flower shop on the corner said he "grew flowers for a living." The man on a load of hay said "Milt Bickley is a farmer sure enough, but you will most likely find him at his drug store." And so I did. But he wasn't selling Castoria. He was directing a force of men who were remodeling the store interior, with the idea of making it one of the finest in the State. But what has all this to do with Hitchings greenhouses, you ask. It has everything to do with them; to make it show what a keen business man Mr. Bickley must be, to be so early a success of so many different lines.



Glimper in 'mum house as it was latter part of last November.

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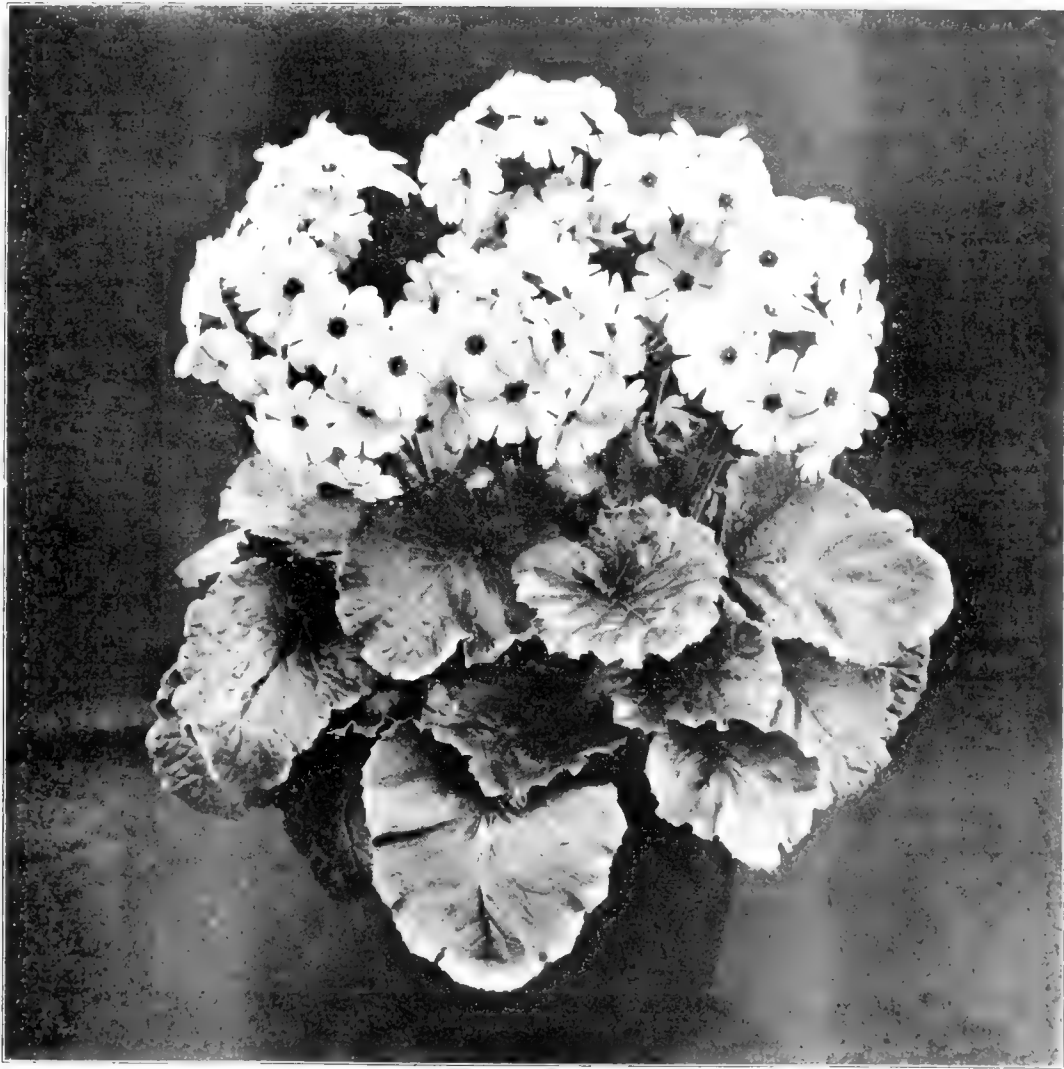
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Vol. XXI
No. 15
APRIL 10
1915

HORTICULTURE



Primula obconica

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NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil."—*Dege*.

Care of Ferns

Shading should now be increased but not too heavy—just enough to prevent burning or taking the coloring out of the foliage. Ferns will not do well where there is not plenty of moisture, so dampen down two or three times a day, and see that they have plenty of air without causing cold drafts. The general run of ferns will do well in about 60 degrees at night with 10 to 15 degrees higher with sun. Ferns that are pot-bound can be materially assisted by moderate doses of liquid manure once a week. Be sure that none of them become dry at the root.

Callas

Callas should now be generously fed, not only with liquid manure, but good top-dressings of a rich mulch on all those grown in benches. By this time the working roots will have used up the best part of the available food from the soil so an occasional top-dressing worked over the surface lightly will greatly benefit. Keep the temperature up to at least 60 degrees at night. Give plenty of water at the roots and keep up a vigorous syringing every day to keep the plants clean of thrips and red spider. Callas will want to be fumigated once a week from this out as flies and thrips increase very fast at this time of the year. The one thing to be borne in mind is to ventilate on all possible occasions.

Bedding Plants

Propagation of bedding stock by cuttings and seed should have attention. Geraniums that were shifted into 4-inch pots three or four weeks ago will be much in need of spacing. Seedling annuals, particularly asters, will need to be transplanted into other flats, one inch apart and when doing this do not forget to insert the little plants down to the seed leaf in the new soil. The cannas which were started in flats are now five or six inches high. They must be lifted and potted at once. A 4-inch pot is large enough to make a good bedding plant. The big *Caladium esculentum* started in flats three weeks ago is already wanting a 5-inch pot.

Next week—Care of Chrysanthemums; Ericas; Nephrolepis; Ramblers for Next Easter; Propagating Stock in Frames

Orchids

Move cattleyas in flower into a cool, airy and well-shaded house. In order to keep down the temperature, rolling lath blinds are preferable to whitewash on the glass. Give *Oncidium Rogersii* plenty of air at all times during the summer months and wet down the benches, paths and walks three or four times daily during very hot and dry days. These orchids from now on should have sufficient shade to help keep down the temperature, but without excluding the indirect sun. All Brazilian orchids will enjoy plenty of diffused sunlight. In applying shade for the *Miltonias* care should be taken not to overdo it. For this month it should be only enough to produce a light clouded streak over the glass.

Adiantums

Large plants can be divided, but these divided portions do not give as satisfactory returns as younger plants potted on. While the adiantums take kindly to soil containing considerable leaf-mold and this is particularly good for young stock, larger plants want something heavier, and good pasture loam with some thoroughly decomposed manure added, and a good dash of sand will grow excellent plants. Where pot adiantums have been resting for a few weeks they can now be overhauled and where necessary, repotted. Large sized plants will carry for several years in the same pots if occasionally fed with liquid manure, but smaller sizes are liable to become starved if not shifted, and furthermore there is more or less danger of their drying out and losing much of their foliage. One severe drying off is generally sufficient to ruin the appearance of any adiantums and this is most liable to occur with the smaller plants. Be careful in watering for a few weeks and keep them in a rather close and humid atmosphere and they will soon start off anew.

Ripening Freesia Bulbs

When freesia bulbs are through flowering keep giving them water for a while, but withholding gradually. When the tops have died down, they can be shaken out and stored away until the season comes for planting again.

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A wicked storm

The weather man has handed out some pretty harsh treatment to the flower people occasionally in the past, but Easter Saturday's experience in the Atlantic Coast section in the year 1915 will long be remembered as one of the most vicious flings on record. Preceded and succeeded by ideal days, it could not have been deliberately planned for greater intentional mischief and was on the order of that wicked knock-out blow at Boston last August which so completely blasted the anticipations of hosts and guests for the crowning day of the

S. A. F. Convention. It is in order to mention also, as in the case of the great convention disappointment, the admirable manner in which those most affected took their punishment and the general absence of complaint or bemoaning on the part of those upon whom the resultant financial loss must have fallen with crushing weight. All departments of the trade and allied interests are more or less concerned in the aftermath of reduced resources, and the possible curtailment of enterprise for the coming season which can hardly be avoided. The recuperative power and stability of commercial horticulture in the face of untoward circumstances and conditions has been repeatedly and impressively demonstrated heretofore, however, and we have no doubt that the present set-back, regrettable as it is, will show no exception to the excellent record of plucky recovery.

The growing disposition of the retail florist trade to imitate other lines of business in the use of the advertising columns of the local newspapers for the

purpose of increasing their trade, appears to meet with a generous and most gratifying response and recognition in the reading columns of these publications. Never before have horticultural and floral matters been given the space and prominence publicly accorded them this season, and never before has the material thus spread before the public been freer from exaggeration and misleading information. Newspapers, as a rule, are disposed to liberality in excess of any apparent compensating return to themselves to a much greater degree than we find in other industries, but there must necessarily be a limit to this sort of generosity. The ceaseless demand for "something for nothing" is the Nemesis forever following the newspaper man, imposing upon his altruistic temper of mind and rudely jostling his sense of fairness. Now that the flower trade is inclined to meet the newspaper man half-way he will find that gentleman overjoyed and ready to devote his best abilities to a proper presentation of the most attractive side of the florists' avocation.

The pen and the hoe

It is in the power of the newspapers and magazines to do inestimable service for this country by calling the attention of the people to the possibilities of intensive cultivation of the land in small patches for garden crops. Conditions abroad at the present time furnish a salutary object lesson in this respect and it is well to use all available means to keep the facts constantly before the people and to impress upon them a fuller realization of the health and wealth that would accrue from more rational habits of living than at present prevail. There is a wholesome truth in the New York Journal's remark that "War-stricken Europe would today be starving were it not for the wonderful knowledge of gardening possessed by its people who can make a few acres yield enough to keep a family in food for a year." It is an encouraging sign that the newspapers are disposed to give so much space and attention to this sort of reading matter. They should have all possible help from the seed trade especially, and should never be permitted to run short of useful material such as the intelligent seedsman and plant grower are able to supply but which they apparently seldom think of extending beyond the pages of their own catalogues.

BRITISH HORTICULTURE.

Spring Flower Show.

The interior of the Royal Horticultural Hall, in London, was gay with the blooms of forced bulbs, on Tuesday, March 16th. Several of the firms made excellent displays in beds on the ground level. Carter & Sons had an artistic arrangement of beds of snowdrops, bordered by golden crocuses, whilst the level turf sparkled with bright blooms. Sutton & Sons made a brilliant display with 1,000 hyacinths, the rich tints forming a charming color scheme. This was awarded a gold medal. The blooms have since been adding a touch of brightness to two of the principal hospitals where wounded soldiers are under treatment.

A Sweet Pea Selection.

With the multiplicity of sweet peas contained in the seedmen's lists it is not surprising that the ordinary buyer is usually bewildered at this season in making his selection. The National Sweet Pea Society, with a view to simplifying matters, sometime ago recommended the following as the best Spencer varieties for garden decoration: Edith Taylor, Duplex Spencer, Mrs. Cuthbertson, Mrs. H. Sykes, Marchioness Tweedale, Nora Unwin, Nubian, R. F. Felton, Rosabelle, Sunproof Crimson (or Maud Holmes), Thomas Stevenson and Queen of Norway.

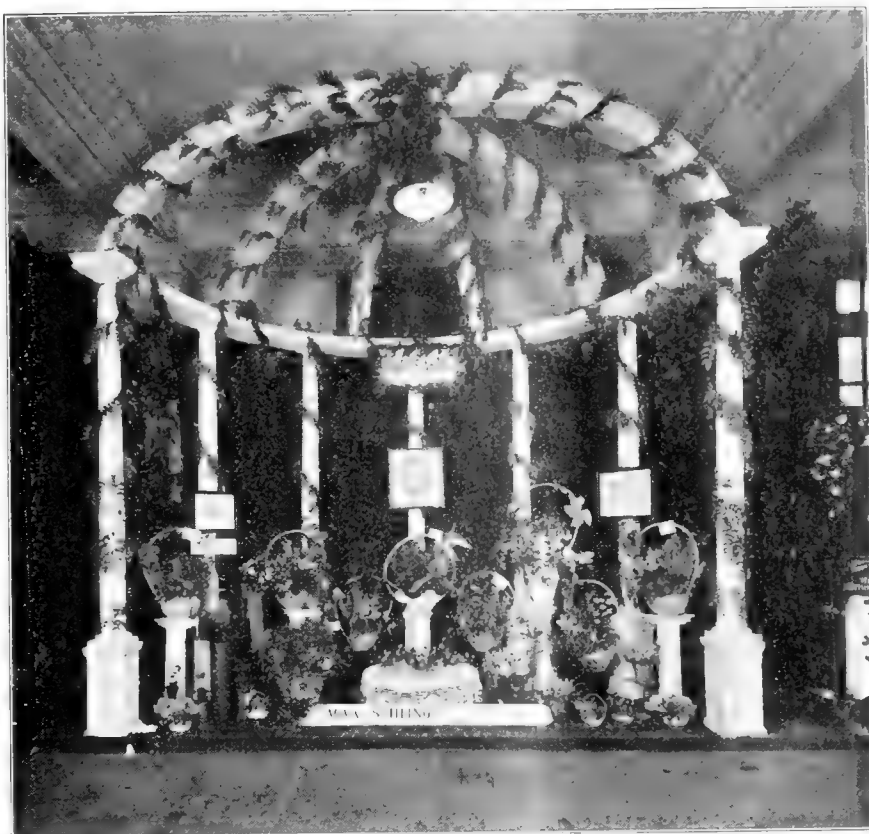
Floral Isles.

The French flower season is drawing to a close. There has been considerable interruption and delay in the delivery of the packages from the south of France, consequent on the war. When the fertile gardens of southern France have yielded their lavish array of fragrant blossom the market florists turn their attention to the many aced gardens of the Scilly Isles. These floral isles are situated in the Atlantic, some 25 miles southwest of Cornwall. Here acres of golden daffodils and delicate narcissi form a natural carpet of indescribable charm. Formerly early potatoes proved a profitable crop for the Scillonians, until a former proprietor of the islands sent an experimental basket of the wild narcissi to market, with a result so encouraging that other islanders followed his example. In the season there is now a regular service of boats conveying the floral freights to Penzance, whence the consignments are sent to London and the principal provincial markets. The flower harvest has brought prosperity to a thrifty race who inhabit these verdant isles set in the broad Atlantic.

W. H. ADSELL.

FENCES AND GARDENS.

In the old New England village where the editor was brought up, every house was once separated from the street by a fence or a hedge, and the space between this fence or hedge and the dwelling was often a riot of old fashioned "posies." How well we can recall the mossy brick path which led from the yellow gateway of the Appleton house to the Doric porch one



FLORAL BOOTH AT THE NEW YORK SHOW BY MAX SCHLING

hundred feet away—a path lined on both sides with delphiniums five feet tall. Little Miss Appleton, in black, used always to be coming down or going up this path, snipping with a huge pair of shears, when you peeped through the gate on your way home from school or market. It was a quaint, intimate, pretty revelation, glimpsed through the Appleton gate.

But the Appleton house was merely one of many which peeped over its hedge or fence, and looked down into a quiet garden in the space between. Even very small and humble houses had their fences, their screen of shrubbery, and boasted at least nasturtiums and portulaca along the front path. Nobody had to go out behind his house for privacy. No passer along the streets had to stare at the naked revelation of unguarded and unadorned house-fronts. Each dwelling was decently screened and suggested domestic privacy and garden charm.

We should hardly care to return to that village today. It has been "improved."

From this point, we shall quote from an article in "Art and Progress," written by Martha B. Hutcheson, and sent to us by a subscriber to "Stockbridge."

"But the pendulum of change had to swing . . . and today we find one old garden where formerly there were hundreds. Practically every fence every hedge has disappeared; the flower borders and the plum trees and quinces have gone too and a lawn with a few mis-servants shrubs has taken their places. Woe to the day that the so-called 'village improvement' spirit swept over so many of our New England towns! . . . It spoiled more lovely New England spots than any of us can imagine, and, worst of all, it set a hideous and stupid example of treatment it will take the efforts of decades to undo. It also taught the lack of privacy. . . . 'The new fashion was two fold in it

devastation. It robbed the home not only of its garden but of its privacy, and it robbed the highway of its most valuable lines of margin and perspective. . . . If the property line is not marked, and if what should make the final enclosure or frame to the street scheme has been taken away, the whole formality of the margin of the street, from an esthetic view, has been lost.

"Let New England wake up and set an example, taking as her guide all the sense of poetry and beauty that belongs to the tradition of her old time gardens, and apply them to the homes of today. . . . Everyone owning even an eighth of an acre should feel that to beautify it is expected of him. If a man can own a house he surely can afford a hedge between it and the street, some flowers in his dooryard, vines on the porch, and shade trees. . . . Beauty is not always in proportion to elaboration."

Stockbridge did not escape the "improving" which Mrs. Hutcheson complains of so bitterly. Privacy here was ruthlessly swept away, and the door yard gardens disappeared. There isn't one left on the whole length of Main street, and few enough anywhere in town. The loss was great, far greater than any fancied gain. The street looks no better, if as well, and the houses lose in individuality, in charm, in home-like feeling.

But there are distinct signs that we, in common with other communities, are returning slowly to a saner ideal. The tendency now is undoubtedly to erect fences rather than to tear them down (though they are sometimes pretty ugly fences), and to treat at least the front walk as a garden feature. Some day we shall realize that the bare lawn running down to the street line, leaving the house naked and exposed, belongs to the same era of taste as black walnut bureaus with marble tops, and a head of Minerva over the mirror.

—Stockbridge.

CLUBS AND SOCIETIES

NEW YORK FLORISTS' CLUB.

The next regular meeting of the New York Florists' Club will be held in the Grand Opera House Building, Eighth Avenue and Twenty-third Street, Monday, April 12th, at 7.30 o'clock P. M. This will be Sweet Pea and Orchid Night and exhibits of sweet peas and orchids are invited. The members should make a special effort to see that the display of these flowers excels in quality the display of roses made at the last meeting.

It is expected that a preliminary report regarding the recent Flower Show, showing the receipts and disbursements, will be made at this time. At present the indications are that this report will be very favorable.

Mr. Robert Pyle will be the essayist of the evening. His subject: "Among the Roses at Home and Abroad," illustrated by a superb lot of lantern slides made direct in natural colors by the Lumiere process.

The following letter has been sent to all members:

"A meeting of the Transportation Committee will be held at the office of R. J. Irwin, 108 West 28th Street, at 3.00 P. M., April 12. The object of this meeting is to decide on a route to the S. A. F. & O. H. Convention to be held in San Francisco, August 17 to 19. All members of the New York Florists' Club who contemplate going to the Convention are cordially invited to attend this meeting and express their views as to which route they would prefer.

There will be at the meeting a representative railroad man who will be pleased to answer all questions and explain to us the different routes which may be taken to San Francisco and the time and cost of each. He will be glad to give each member individual attention and lay out their route coming back, as probably the members will return by different routes. It is a long journey from New York to San Francisco and we want to secure all the comforts we can to help make the journey a pleasant one. By all going together, these comforts can be secured and individuals receive better attention. A special train with special attendants is a possibility.

The Committee desires all who can, to attend the meeting in person. If you cannot come, send in your preference as to route, and how many of you and your family or friends are going. Come to the meeting if possible. If not, write a letter to Roman J. Irwin, 108 West 28th Street, New York City.

The photographs an description of the Panama Exhibition so far published, has established the fact that it is far ahead of anything of its kind the world has ever seen. Those who have already seen it are most enthusiastic over it and say that the photos but feebly express the beauty and charm of the Exhibition. The Florists of the West are planning to give the Florists of the East a Royal Wel-

come. Don't fail to attend the meeting or express your preference as to route.

Yours very truly,
Thos. B. de Forest, Chairman
Transportation Committee."

FLORISTS' CLUB OF PHILADELPHIA.

The regular monthly meeting was held on the 6th inst. It was a very dull and uninteresting function and consisted mostly of routine matters. The only little bit of ginger in it was when the commodore got up and wanted to know about this flower show the S. A. F. is to hold in Philadelphia in 1916. John is an ardent lover of this old burg and hates the idea of its (the burg) being given a black eye. His feeling now, seems to be well expressed in one of W. S. Gilberts' gems:

Oh, it be watted away,
That old black Auldland of sorrow
With the dust of an earthly today
Is the earth of a dusty tomorrow."

Among the new members elected it gives us pleasure to record the name of Stuart H. Miller, our latest and most hustling recruit to the ranks of the commission men.

NORTH SHORE HORTICULTURAL SOCIETY.

The North Shore Horticultural Society held its regular semi-monthly meeting April 2nd at Manchester, Mass. R. H. Wilkins of the Essex Co. Agricultural School gave a very instructive lecture on poultry, speaking chiefly on breeding for egg production. The sum of fifty dollars was appropriated to be given as prizes to the school children among the North Shore for the best exhibits of vegetables and flowers at the annual exhibition. The show committee awarded a bronze medal to Alfred E. Parsons for seedling schizanthus, a vote of thanks to P. Maillard for radishes and to Ernest Townsend for gardenias and Darwin tulips. At the next meeting, April 16th, S. J. Connolly will lecture on the Panama Canal.

AMERICAN GLADIOLUS SOCIETY.

The Nomenclature Committee of the American Gladiolus Society has approved the application of John H. Umpleby, Lake View, N. Y., to register Gladiolus Mrs. A. C. Beal.

Mrs. A. C. Beal (Umpleby's 385). Color rosy white, blotched Lincoln red, and with the median line shading to old carmine red. A fine color and an attractive blotch. The buds are quite salmony when they first open. Stamen filaments pinkish. Anthers light lavender. The flowers are well arranged. Bloom large, tube curved medium slender, medium long. Segments unequal, connivent, the upper horizontal and broad, the lower reflexed and narrower. Season early. Spike tall, erect often curved; two or three to a corn, and producing a good number of flowers. Growth vigorous, well furnished with medium broad leaves. Corms large. Originated by John H. Umpleby, Lake View, N. Y.

CLUB AND SOCIETY NOTES.

The Cincinnati Florist Society's regular meeting will be held on Monday evening, April 12.

A public meeting of the Society for the Protection of Native Plants will be held on Saturday, April 17, at 10.30 A. M., in the Lecture Room of the Boston Society of Natural History, 234 Berkeley Street. Prof. Merritt L. Fernald of Harvard University will speak on "Some Reasons Why Our Indigenous Plants Need Protection." Officers for the ensuing year will be elected, and other business transacted.

The April meeting of the Lewiston and Auburn (Me.) Gardeners' Union was held at the rooms of the Lewiston Chamber of Commerce April 2, with a large attendance. The greater part of the time was taken up in a discussion of the plans for the spring flower exhibition, the fall exhibition, children's gardens and publicity. The next meeting will be held at the Auburn municipal court room, Friday, May 7.

A meeting of the New Bedford, Mass., Horticultural Society was held in the Public Library building on the evening of April 5. President Roy being absent, F. C. Barrows presided. The entertainment committee reported that all arrangements had been made for the annual banquet to be given April 8. The flowers for the occasion are to be furnished by James Garthley and Post & Gray. The schedule committee reported having arranged for four shows. For these a few changes have been made in favor of amateurs. There are to be cups, cash prizes and stock.

FRANK L. GRAY.

COMING EVENTS.

Shows.

New York, N. Y., May 8-9.—Exhibition of Hort. Soc. of N. Y. in Bot. Gdn., Bronx. The March and April shows will be omitted.)

San Francisco, Cal., June 4.—American Sweet Pea Society's special show in connection with the Exposition.

Newport, R. I., July 8-9.—Annual show and meeting of American Sweet Pea Society, in connection with Newport Garden Assoc. and Newport Hort. Soc.

Lenox, Mass., July 27-28.—Summer exhibition of Lenox Horticultural Society.

Orange, N. J., Oct. 4.—Tenth Annual Daffodil, Fruit, Gladiolus and Vegetable Show of N. J. Floricultural Society. Geo. W. Strange, Sec., 84 Jackson St.

New York, N. Y., Nov. 4-7.—Annual Autumn exhibition of Hort. Soc. of New York, Museum of Natural History.

Cleveland, O., Nov. 10-11.—Annual show and meeting of Chrysanthemum Society of America. Chas. W. Johnson, Sec., 2226 Fairfax Ave., Morgan Park, Ill.

Meetings.

Newark, N. J., April 11. Wein, Obst & Gartenbau Verein, 15 Newark St. Peter Cande, Sec., 111 Avon Ave.

New Orleans, La., April 11. Gardeners' Mutual Protective Association, 114 Exchange Alley. John Parr, Sec., 4529 North Rampart St.

Baltimore, Md., April 12.—Gardeners' and Florists' Club of Baltimore, Florists' Exchange Hall, St. Paul and Franklin Sts. Noah F. Flitton, Sec., Gwynn Falls Park, Sta. F., Baltimore.

Cincinnati, O., April 12.—Cincinnati Florists' Society, Jabez Elliott Flower Market. Alex. Ostendorp, Sec.

Cleveland, O., April 12.—Cleveland Florists' Club, Hotel Hollenden, Club Room B. Frank Friedley, Sec.

Rochester, N. Y., April 12.—Rochester Florists' Association, 95 Main St. East. H. B. Stringer, Sec., 47 Stone St.

New York, N. Y., April 12.—New York Florists' Club, Grand Opera House Bldg., Eighth Ave. and Twenty-third St. John Young, Sec., 53 W. 28th St., New York.

Holyoke, Mass., April 13.—Holyoke and Northampton Florists' and Gardeners' Club.

Newport, R. I., April 13.—Newport Horticultural Society, Music Hall. Wm. Gray, Sec., Bellevue Ave., Newport.

Chicago, Ill., April 14.—Gardeners' and Florists' Union No. 10615, 232 North Clark St. Louis Heidtman, Sec., 3610 N. Richmond St.

Morristown, N. J., April 14.—Morris County Gardeners' and Florists' Society, Masonic Hall. Ed. Reagan, Sec., 139 Madison Ave.

Newark, N. J., April 15.—Essex County Florists' Club. Kreuger Auditorium, 25 Belmont Ave. John Crossley, Sec., 37 Belleville, Ave.

New Orleans, La., April 15.—New Orleans Horticultural Society, Association of Commerce Bldg. C. R. Panter, Sec., 2320 Calhoun St., New Orleans.

Tacoma, Wash., April 15.—Tacoma Florists' Association, Maccabee Hall, 11th and C Sts. F. H. Atchison, Sec., South 50th and East F. St., Tacoma.

Detroit, Mich., April 19.—Detroit Florists' Club, Bemb Floral Hall, 153 Bates St., R. H. Wells, Sec., 827 Canfield Ave.

Montreal, Que., April 19.—Montreal Gardeners' and Florists' Club, Montreal Floral Exchange, 140 Mansfield St. W. H. Horobin, Sec., 283 Marquette St.

Boston, Mass., April 20.—Gardeners' and Florists' Club of Boston, Horticultural Hall. W. N. Craig, Sec., Faulkner Farm, Brookline, Mass.

Lake Geneva, Wis., April 20.—Lake Geneva Gardeners' and Foremen's Association, Horticultural Hall. Wm. H. Griffiths, Sec., Lake Geneva.

Minneapolis, Minn., April 20.—Minnesota State Florists' Association. Gust. Malmquist, Sec., Fair Oaks, Minneapolis, Minn.

Toronto, Ont., April 20.—Gardeners' and Florists' of Ontario, St. George's Hall, Elm St. Geo. Douglas, Sec., 189 Merton St., Toronto.

Hartford, Conn., April 23.—The Connecticut Horticultural Society, County Bldg. Alfred Dixon, Sec., 25 Wilcox St., Wethersfield, Conn.

Dobbs Ferry, N. Y., April 24.—Dobbs Ferry Horticultural Society, Odd Fellows Hall. B. Harms, Sec., Dobbs Ferry.

Newark, N. J., April 25.—Wein, Obst & Gartenbau Verein, 15 Newark St. Peter Caille, Sec., 111 Aron Ave., Newark.

Baltimore, Md., April 26.—Gardeners' and Florists' Club of Baltimore, Florists' Exchange Hall, St. Paul and Franklin Sts. Noah F. Flitton, Sec., Gwynn Falls Park, Sta. F., Baltimore.

Norwich Conn., April 26.—New London County Horticultural Society, Buckingham Memorial. Frank H. Allen, Sec., 321 Main St., Norwich, Conn.

Providence, R. I., April 26.—Florists' and Gardeners' Club of Rhode Island, Swartz Hall, 96 Westminster St. Wm. E. Chapell, Sec., 333 Branch Ave., Providence, R. I.

Newport, R. I., April 27.—Newport Horticultural Society, Music Hall. Wm. Gray, Sec., Bellevue Ave., Newport.

San Francisco, Cal., June 22-24.—American Seed Trade Association.

Detroit, Mich., June 23-25.—Annual convention of Amer. Ass'n of Nurserymen.

Fort Worth, Tex., July 6-7.—Texas State Florists' meeting.

New York Florists' Bowling Club, Thursday, April 1st.

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PITTSBURGH EASTER SHOWS.

The twentieth Easter display of the Phipps Conservatory, Schenley Park, is one of surpassing loveliness, which, throughout the week has been as a shrine for worshippers of the beautiful. While all the exhibits were exceptionally fine, the exquisitely massed lilies, roses, orchids and French hydrangeas were perhaps the more appealing from the artistic point of view. In the House of Lilies one could almost have imagined oneself in the beautiful graveyard of Maeterlinck's "Blue Bird," where the gravestones are transformed into lilies, and little Tytltyl reverently utters, "There are no dead." However, to the masses of visitors, the special attractions were the miniature and Holland gardens. In the former bloomed the old-fashioned columbine, Star of Bethlehem, Crown Imperial, Glory of the Snow and other favorites of long ago, surrounding a typical gentleman's country place, complete even to a tiny pond in which sported a young "September Morn." In the Holland garden, which fronted a Dutch thatched cottage on which saucily perched the traditional stork, was a gorgeous showing of tulips. To view this Easter display, "free to the public," one is almost convinced of a Gospel of Nature and Art with Superintendent George W. Burke, of the Bureau of Parks, and Foreman John W. Jones, of the Phipps Conservatory, as missionaries.

The crowds of visitors to the North Side Park Conservatory which (as described last week), prematurely commenced on Palm Sunday, continued throughout the week, viewing the fine display supervised by Superintendent James Moore.

The H. J. Heinz conservatory at "Greenlawn" was another center of attraction in the East End. For this occasion, the show house proper, which was completed only last year, was converted into a sunken garden effect, with an electric fountain playing in the center and a rockery at one end. In addition to quantities of Holland bulbs, orchids, sweet peas, genistas and other hothouse flowers, A. A. Leach, the young supervisor, has potted cherries, apples, pears and plums in flower.

PRIMULA OBCONICA.

No species of plants has shown more rapid and substantial improvement in so brief a period than has *Primula obconica*. The form and size of flower and truss have been developed up from the little pale lavender flower of a few years ago until now we have in *P. obconica* a worthy rival for the advanced strains of *P. sinensis*. The intercrossing with *P. sinensis* and other species has probably greatly reduced the reputed poisonous character of the foliage of *P. obconica* as we hear very little about it in that way of late. The neat style of growth of the improved form is well shown in our cover illustration, the photograph for which was kindly loaned by R. & J. Farquhar & Co.

THE PRACTICAL BOOK OF Outdoor Rose Growing

FOR THE HOME GARDEN
by
GEORGE C. THOMAS, JR.

Elaborately Illustrated with 96 Perfect Reproductions in Full Color of All Varieties of Roses, and a Few Half-tone Plates. Octavo, Handsome Cloth Binding, in a Slip Case. \$4.00 net. Postage Extra.

We have sold a number of copies of this sterling book. One purchaser writes as follows:

HORTICULTURE, Boston, Mass.

Dear Sir: Some time ago we ordered a copy of Thomas' Book on Roses. We promised to send you postage as soon as we learned the amount. The book was so good that we forgot all about postage until today. Please forgive our lapse of memory.

We loaned it to a friend and he likes it so well we're afraid that we will have to buy another.

Respectfully,
New York.

A. R.

Every rose grower should possess a copy of this book.

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HORTICULTURE PUBLISHING CO.

147 Summer Street, Boston, Mass.

THE CONTROL OF THE SAN JOSE SCALE.

Weapons the Orchardist May Use Against This Destructive Pest.

Detailed instructions for the use of various spray in controlling the San Jose scale are given in a new publication of the U. S. Department of Agriculture, Farmers' Bulletin 650, "The San Jose Scale and Its Control." In the absence of proper treatment, this widespread pest will bring about the death of most fruit trees and of many ornamental and shade trees. Its discovery, therefore, should be followed by prompt measures of control, whether it be found in commercial orchards or in private grounds. Private individuals, however, will scarcely feel disposed to equip with such expensive apparatus as orchardists may find profitable. The bulletin, therefore, describes washes and spraying apparatus suitable for varying conditions.

Where only a few plants are infested, it is probably better for the owner to use some of the prepared washes. In fact many commercial orchardists prefer to use these in preference to making them at home. These consist of compounds of sulphur in a highly concentrated condition, or powders, to which it is only necessary to add a sufficient quantity of water. The powders which have but recently appeared on the market are much more convenient to handle and store than the commercial lime-sulphur concentrates. The latter, however, are still largely used by orchardists who do not care to incur the expense of constructing the cooking plant to make their own lime-sulphur washes.

Prepared in one way or another, some form of lime-sulphur wash is the most common agent for controlling this scale. A formula much in use some years ago was:

Stone Lime..... 20 pounds
Sulphur (Flour or Flowers)..... 15 pounds
Water to make..... 50 gallons

In preparing this wash, about 1-3 of the total quantity of water required is heated in a cooking barrel or vessel; the lime then added, and the sulphur immediately afterwards. The sulphur should previously, however, have been made into a thick paste with water. After the lime has slaked, about another third of the water should be added and the cooking continued for an hour, when the rest of the water is put in. During the time of cooking, stirring is necessary if the wash is cooked in kettles. It must also be strained as it is run into the spray tank.

Comparatively few fruit growers now employ this method, because this wash must be applied immediately after it is cooked—otherwise there is crystallization of the sulphur and hardening of the sediment upon cooling.

The cooking is also inconvenient. It is for these reasons that manufacturers put on the market concentrated solutions of lime-sulphur already mentioned, and which, when used at proper strength, are quite as satisfactory as the old time formula. When lime sulphur concentrates are made at home, the so-called 50-100-50 formula is frequently used. This is composed of 50 pounds of lime, 100 pounds of sulphur, and water to make 50 gallons, the respective ingredients being boiled together for from 50 minutes to an hour, while the mixture is vigorously stirred either by hand or by a mechanical agitator. As soon as the cooking is over, the solution should be drawn off and run through a 30-mesh strainer into barrels, the agitation being continued all this time in order to effect an equal distribution of the sludge. When properly stirred this solution can be kept for a year or more before being used. Such concentrates vary considerably in strength, and it is important that they be tested with a hydrometer. The new bulletin contains a table giving the quantities of lime-sulphur concentrates of various strengths necessary to make 50 gallons of the spray solution. The number ranges from 1¼ gallons for a summer application with a strong concentrate, to 11½ gallons for a winter application with a weaker one.

In controlling the scale, it is always advisable to spray the trees while in a dormant condition, for at this time the wash may be used much stronger than would be safe to use on foliage. Spraying may be done in the fall, in mild climates during the winter, or preferably in early spring before the buds push out. For small plants, low trees, ornamental hedges, etc., a bucket pump or a knapsack pump will provide all the apparatus necessary. For orchards of some size, as 5 to 10 acres, a barrel or hand power pump will prove more satisfactory, and for large commercial orchards gasoline outfits are usually employed.

In addition to the lime-sulphur washes, kerosene and crude petroleum, either pure or in emulsions, are used. The Department does not recommend, however, the use of these oils in a pure condition, and while there is no question as to their efficacy in destroying the insects, their employment is likely to cause serious injury to the trees. Kerosene and crude petroleum may be readily emulsified in soap and the oil thus used at any desired strength. The so-called "Miscible oils," however, which are commercial preparations, are now largely used by those requiring oil sprays in preference to the home-made emulsions. Treatment with these oils is particularly desirable when the infestation is very severe and experience has shown that the scale will not be controlled by lime-sulphur sprays. Soap washes made from fishoil soap are also used to some extent at the rate of two pounds to the gallon of water, and always on trees in a dormant condition.

[In connection with the foregoing information which is supplied by the Department of Agriculture we take occasion to call attention here to the new Indestructible Sprayer advertised now for the first time by George N. Barrie in this paper. At the low price at which it is offered this implement will fill a long-felt want.—Ed.]

PUPILS TO AID SAVING TREES.

The school children of four cities and 18 towns are contesting for four silver cups offered by the Massachusetts State Board of Agriculture to the cities and towns whose children collected before May 1 the largest number of egg clusters of the tent caterpillar. A first and second prize will be awarded in each section and shall become the property of the public schools of the winning towns and cities. The prizes will be awarded on the basis of total number of egg masses collected, each egg mass to be counted as one.

The pupil will report to the teacher the number collected and the teacher will make weekly returns to the superintendent in whose district the town or city lies. The certified count will be forwarded to the secretary of the Board of Agriculture not later than on Tuesday, May 1.

Entries have been received from the following cities and towns:

Over 5000 population—Braintree, Easton, Framingham, Natick, Needham, Revere, Rockland, Springfield, Waltham, Ware, Whitman, Winchendon and Worcester.

Under 5000—Acton, Ayer, Dana, Erving, Hadley, Hubbardston, Hancock, Lanesboro, Lee, Lenox, Medfield, Millis, Medway, Petersham, Stockbridge, Warren, Wendell, Wenham and Milton.

LICENSE TO PEDDLE.

Editor of HORTICULTURE:

Do you know of any law that gives any city in Massachusetts the right to demand a tax or license of \$5.00 from anyone selling plants, vegetables and other farm produce, raised by themselves outside of that city in adjoining towns?

If so, I should be pleased to have you state case in paper. The city of Haverhill, Mass., so demands from us a license of \$5.00.

I personally called up the City Clerk and told him I would not pay it, and that I would be in his city at 1:30 P. M. with a load of plants and would sell them. I also called up the Mayor of the city and told him. He told me the City Clerk was right and that I would have to pay or not sell. I called this bluff and delivered the goods, and I will continue till they prevent me.

I would like your opinion or any reader of paper.

Yours truly,

CHARLES F. NEWELL.

We should advise the writer of the foregoing communication to peacefully hand over his five dollars. Every city has the right to make its own rules as to the use of its streets for the selling of any sort of goods and to demand such license fee as it sees fit to exact from those seeking to use its streets for such purpose.

CORRECTION.

Although we lay no claims to infallibility, yet we do feel a bit "mussed up" over having permitted a picture of *Cypripedium acaule* to get by under the name of *C. spectabile* in our issue of last week. We hardly need to say that we know better, but there is no danger of stones being thrown at our "glass house" by anyone who has ever done proof-reading, for we all get caught sooner or later.

HORTICULTURE INDISPENSABLE

The following examples of many approving letters received at the office of HORTICULTURE during the past few weeks, show why HORTICULTURE is so valuable as an advertising medium. Intensive circulation is HORTICULTURE'S best quality and practically every reader is a possible customer for the advertiser.

Gentlemen:—Last week's HORTICULTURE is not received. Have you scratched me off your list, or what is the matter? Appreciate your paper more than any of half a dozen I am receiving, and don't want to miss any copies. Will you please investigate?

Yours truly,
Missouri. A. B. K.

Gentlemen:—It is getting late in the season and we wish to discontinue the advertisements which we carry in your paper. We would say that the advertisements which we have carried in your paper have brought us good results, and we feel that the money so expended was well invested.

Yours truly,
Standard Thermo Company,
S. C. LORD, President.

Kindly discontinue my advertisement in the classified ad. section of HORTICULTURE, rendering bill to date.

Yours is a very good advertising medium. We have rid ourselves of practically all our surplus stock, and are therefore obliged to discontinue.

Very truly yours,
Mass. A.

"HORTICULTURE is grand. Keep it up."
San Jose, Cal. B.

Dear Horticulture:

We can't keep house without you, and you can't travel without money, therefore I enclose money order to keep you coming for 1915.

Yours admirably,
Iowa. E. S.

Here is my dollar for the 1915 trip with HORTICULTURE. HORTICULTURE is all right.
New York. P. F.

Enclosed is post office order to pay for HORTICULTURE two years more. I like HORTICULTURE very much and hope to read it many more years.
N. Y. S. F.

One of the many good features of HORTICULTURE is, that those who contribute to its columns always "say something" when they write. I take this opportunity to offer sincere congratulations. "May your shadow never grow less."

Sincerely yours,
New York. P. F.

Editor Horticulture:

Dear Sir — Enclosed please find \$1.00, my subscription to your valuable paper for another year. Cannot do without it.
Conn. O. A. H.

"HORTICULTURE is the finest paper under the sun."
New Jersey. A.

Dear Sirs — Enclosed please find one dollar for another year of the HORTICULTURE. My time is not up yet, but it won't be long. All I can say about your paper is that it is the best of its kind, and I read them all.
R. I. J. B.

Enclosed are two dollars in payment for your very valuable paper. I find its contents timely and instructive.

Sincerely,
Conn. C. S.

Gentlemen:—My paper did not arrive as usual on Saturday. It is all I have to look forward to each week; do not allow that to fail me. Kindly send one along at express rate.
Yours truly,

N. J. G. W.

Gentlemen:—Will you please discontinue my classified gladioli advertisement now running in your paper? I am sold out of nearly all varieties, especially those called for by your readers, and hope to have as good success with you next year.

Yours truly,
Mass. R. W. S.

When Writing to Advertisers Please Mention Horticulture

ADDRESS OF PRESIDENT WALLACE R. PIERSON BEFORE THE AMERICAN ROSE SOCIETY AT BOSTON.

On the morning of April 10, the annual meeting of our American Rose Society, I made the formal address with much of feeling of satisfaction and regret. It is gratifying to me to think that, in the two years during which I have served as your president, much has been accomplished to carry out the principles which the American Rose Society established as its aim when framing its constitution. It is to be regretted that the work has not been carried nearer to completion, but the foundation has been laid and the advancement of the society is certain.

As a society our aim has been to foster the love of Roses, whether as cut flowers or as blooming plants; to stimulate that love of roses for the specimen, trained and brought to perfection by artificial heat; and to kindle in the heart of its admirers a love for the rose in the garden, whether it be the hybrid tea with its continuity of bloom, or the climbing roses which make beautiful the gardens of our country for a few short weeks.

To reach the people we must go outside the ranks of professional rosarians, and this is what we have attempted to do. We who have labored hard to achieve the desired end are gratified to state that the Syracuse Rose Society, the Newport Garden Club, and the Newport Garden Association are now affiliated with us and we are hoping that similar societies may be added to this list to aid us in the work. Our Bulletin goes to each member of these organizations, and that Bulletin, greatly improved this year, can and must be made of greater assistance to the amateur. Our medals go to these societies to be awarded at their exhibitions. This must be an inspiration to the individuals who compete for them, and the giving of these medals is one of the finest tributes that the American Rose Society can pay to the skill and success of a Rose lover.

The shows of these amateurs are of roses grown out of doors, and they are successful. Do they not show us the way to fulfill the obligations of our constitution? For, gentlemen, we plainly state in our constitution, that a show shall be given at a date later than March, to recognize the garden rose. Such an exhibition can be held and be a credit to our society, and I should suggest that in the event of such a show being held, premiums for professionals in the form of cash be dispensed with and that all awards be of medals and ribbons. Those who use our American Rose Society's exhibition for advertising, showing flowers grown in the open ground, are not sacrificing great commercial values such as are represented by the March shows, and the advertising is ample to repay the

effort. For the amateur, cash premiums would seem advisable.

In the way of advancing interest in garden roses, the work of the American Rose Society, in conjunction with the Department of Agriculture and Cornell University, in forming the two large trial gardens, is highly commendable. You have read the reports of these gardens in the annual Bulletin. They are the beginning, and in leaving the position with which you have honored me, I commend to my successor the importance of the rose trial gardens. That these gardens may become the beacons of light along the path of the amateur and a consistent and dependable guide to those of us who deal in garden roses, is my most earnest desire. Let them determine for us and for the people the intrinsic values of the different varieties. Let them give us the relative values of plants on their own roots, budded or grafted



WALLACE R. PIERSON

on Manetti, Briar, or other stock. Let them tell us how they stand the cold northern winters and they will have served us well, but they will also serve us by being an inspiration to the thousands who will visit these gardens annually. Let us give our assistance in every possible way and leave no stone unturned to make these gardens a grand success and a credit to the American Rose Society, to the United States of America, and to the State of New York whose co-operation has made them possible.

The work of the Central Rose Garden Committee should be in a measure concentrated on the introduction into these gardens of the novelties of Europe as well as of America. I would suggest that any firm buying foreign roses impress upon these firms the importance of sending their novelties, giving the American public and rose men the chance to buy upon proved merit instead of printed descriptions.

Grading of Cut Roses.

I wish to call to your attention that the action of our society upon the classification and grading of cut roses would be a worthy procedure. Our society settled upon uniform grades at

the 1910 meeting, but because these grades were not designated by names they have not been recognized by the commercial growers.

We are invited by the National Flower Show Committee to meet in Philadelphia in 1916. In my opinion it will be wise to accept this invitation. Rochester is starting plans to have us with them in 1917. We are wanted because we bring with us a show that is a credit to the society that invites us and a credit to ourselves.

This is the end of my term of office. I appreciate the honor with which you favored me and am grateful for the loyalty shown by the executive committee. I trust my interest and loyalty can be depended upon and I shall be always ready and willing to help the American Rose Society carry forward the slogan: "A Rose for every home, a bush for every garden."

NEWS NOTES.

Concord, N. H.—Charles V. Kimball, formerly of Franklin, now a Concord florist, has taken S. R. Baker into partnership.

Brooklyn, N. Y.—The annual flower show of the Park Department of Queens is now open and will continue one week in the Forest Park greenhouses.

Danbury, Conn.—Garrett M. Stack of Brookfield Center, widely known as a horticulturist, has associated himself with Thomas H. Desmond, of Hartford, landscape designer, and Edwin C. Eaton, of Auburndale, Mass., forester, under the name of The Country Improvement Specialists, an association of trained experts in landscape design, forestry, agriculture and horticulture.

Little Ads Bring Big Returns

Little ads. in our Classified Columns bring big returns to both advertiser and purchaser.

Anything that can be sold to florists, gardeners, park and cemetery superintendents, etc., can be sold through this medium in this department, and at very small cost.

Don't fail to read them each issue, for you will find one or more that will prove profitable to you.

They Cost Only One Cent A Word Undisplayed

Kindly discontinue my advertisement in the classified ad. section of HORTICULTURE, rendering bill to date.

Yours is a very good advertising medium. We have rid ourselves of practically all our surplus stock, and are therefore obliged to discontinue.

Very truly yours,

Mass.

A.

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Yours truly,

Mass.

R. W. S.

Obituary

Thomas Burnet.

During the current week death took Thomas Burnet, one of the oldest florists in Cincinnati. He had been ailing for several months.

Charles Scallen.

Charles Scallen, a well known florist of New York City was found dead last Saturday in his room on West 51st street, a tube connected with an open gas jet in his mouth.

S. H. Orvis.

Seba H. Orvis, a florist at 507 and 509 South avenue, Elmira, N. Y., died at Binghamton, on March 30, after an extended illness, aged 39 years. He is survived by his widow.

Thomas Emerson.

Thomas Emerson, for the past 45 years head gardener to the Dinsmore family, Staatsburg, N. Y., died there on April 3rd, in his 76th year. Mr. Emerson was widely known and widely respected among the gardening fraternity. In his passing away the craft sustains a distinct and irreparable loss. W. E. Marshall, the well-known seedsman, is a nephew of Mr. Emerson.

William W. Weil.

A victim of robbers, William W. Weil, aged sixty-five, a Chicago florist, was found dead in his shop, 421 W. 63rd street, on Monday, April 5. His hands and feet were tied with a rope and he was gagged and strangled, but a superficial examination showed no bullet wounds. The cash register had been rifled. Three men were seen running away from the shop. Jolly Billy Weil was a pioneer florist of Englewood section of Chicago. He was a bachelor, 55 years old and lived alone in the rooms back of his store. So far as known he has no relatives.

W. A. Bridle.

William A. Bridle of Navesink, N. J., died on March 30 of pneumonia, after having been confined to his bed three days. He was about seventy years old and leaves but one relative, a niece. She is Miss Mabel Bridle, who has kept house for him since the death of his wife last October. Mr. Bridle was born in Devonshire, England, and came to America when he was a young man. He engaged in the florist business over thirty years ago at Navesink and he had lived at that place ever since. His partner, William DeVesty, will carry on the business hereafter.

WANTED

Bedding Stock of White Silver-Leaved Geranium Mrs. Parker, or one of close resemblance. Please state price, etc.

R. BRETT

Windholme Farm, Islip, L. I., N. Y.

BEFORE YOU PURCHASE

Send us your list of wants and we will quote you interesting prices.

We offer the most complete line of Fancy and Native Evergreens, Herbaceous Perennials, Shade Trees, Shrubs, Roses and Fruits in small lots or by the thousand, and in the usual "High Grade Quality." It is no trouble to quote you.

THE NEW ENGLAND NURSERIES CO.

Telephone Lexington 274-W.

BEDFORD, MASS.

THE FRAMINGHAM NURSERIES

200 ACRES,

TREES, SHRUBS,
EVERGREENS,
VINES, ROSES, ETC.

W. B. WHITTIER & CO.



FINE STOCK OF

RHODODENDRONS,

KALMIAS AND

ANDROMEDAS.

Send for
Price List

FRAMINGHAM, MASS.

TREES

Largest assortment in New England. Evergreens, deciduous trees both common and rarer varieties.

Sturdy, choice stock that can be depended upon. Send for catalog and special trade prices.

The Bay State Nurseries

North Abington
Mass.

SHRUBS

This New England soil and climate produces fine sturdy shrubs. Special trade prices. By the thousands, hardy Native and Hybrid Rhododendrons—transplanted and acclimated. Let us estimate.

ELLIOTT AUCTION COMPANY

Disposes of anything in the way
of green goods at their
sales at

42 Vesey St., New York

Try us out. Prompt returns

THE National Nurseryman

Official organ of the American Association of Nurserymen. Circulation among the trade only. Published Monthly. Subscription price \$1.00 per year. Foreign subscriptions \$1.50 per year. In advance. Sample copy free upon application from those in the trade enclosing their business card.

National Nurseryman Pub. Co., Inc.

218 Livingston Building
ROCHESTER, NEW YORK

ROSES

Lister's
Champions
Scotch Grown

ALL CLASSES. SEND FOR PRICES.
ALEXANDER LISTER
WENHAM, MASS.

ROBERT CRAIG CO.

ROSES, PALMS.

and Novelties in Decorative Plants.
MARKET and 49th STREETS, PHILADELPHIA, PA.

REMEMBER!

If it's a Hardy Perennial or so called Old Fashion Flower worth growing, we have it in one shape and another the year round. We have the largest stock in this country, all Made in America, and our prices will average 75c. per doz., \$5.50 per 100.

Why say more here? Send for our Wholesale price list of varieties and benefit from the opportunities this affords you. Address,

R. W. CLUCAS, Mgr.,

Palisades Nurseries, Inc.

SPARKILL - N. Y.

HOLLAND NURSERIES

BEST HARDY RHODODENDRONS,
AZALEAS, CONIFERS, CLEMATIS,
M. P. ROSES, SHRUBS, and HERBACEOUS PLANTS.

P. OUWERKERK, 216 Jane St., Weehawken Heights
P. O. No. 1, Hoboken, N. J.

Nursery Stock

Fruit and Ornamental Trees, Shrubs,
Small Fruits, Clematis, Evergreens
and Roses.

Write for Trade List.

W. & T. SMITH COMPANY, Geneva, N. Y.

BOBBINK & ATKINS

Nurserymen, Florists
and Planters

RUTHERFORD, NEW JERSEY

BEGONIAS

CINCINNATI \$18.00 per 100
LORRAINE 14.00 per 100
Good Strong Plants, 2 1/2-Inch Pots; Ready
for Immediate Shipment.

THOMAS ROLAND,

Nahant, Mass.

SEED TRADE

AMERICAN SEED TRADE ASSOCIATION

Officers—President, Lester L. Morae, San Francisco, Calif.; First Vice-President, J. M. Lupton, Mattituck, L. I.; Second Vice-President, F. C. Dungan, Philadelphia, Pa.; Secretary and Treasurer, C. E. Wendel, Cleveland, O.; Assistant Secretary, S. L. Willard, Jr., Cleveland, O.

Alfalfa Growers Elect.

At the Rhode Island Alfalfa Growers' meeting the following officers were elected for the ensuing year: President, B. K. Harris; Vice-President, S. C. Damon; Secretary, M. A. Hawkins; Treasurer, H. W. Tinkham; Executive Committee, J. J. Dunn, E. F. Green, and Alfred Perregeaux.

Plan for Better Seed Corn.

At the Rhode Island Corn Growers' Association meeting which was also held in connection with the institute, it was decided to accept a plan for securing better seed corn proposed by a committee appointed at the annual meeting in January. A set of regulations for the growing of seed corn will be adopted. All growers that follow these regulations will be designated as approved seed corn growers and will be granted a certificate and recommended by the Corn Growers' Association.

The chief provisions of the plan relate to a system of breeding seed corn, with certain requirements in regard to selecting and storing. Within a few weeks an outline of the plan in detail will be furnished to all members of the association.

A similar plan has been tried in some of the western states and in Canada and has worked very successfully, but it is the first attempt in this direction here in the East.

Value of importations of horticultural materials into New York, for week ending March 27 is given as follows:

Manure salt, \$8,386; fertilizer, \$1,867; clover seed, \$127,196; grass seed, \$17,428; sugar beet seed, \$261; trees and plants, \$35,890.

STATEMENT OF OWNERSHIP, MANAGEMENT, ETC., OF HORTICULTURE.

As Required by the Act of Congress, August 24, 1912.

Publisher, Horticulture Publishing Co., Boston. Editor and Business Manager—W. J. Stewart. List of stockholders holding one percent or more of total amount of stock: W. W. C. N. P. Perkins, W. J. Stewart, Andrew Stewart, J. K. M. L. P. W. L. J. D. J. Welch, of Boston, Mass.; F. C. R. Mathison, Waltham, Mass.; Thos. Young, Jr., W. F. Sheridan, F. H. Traendly, Chas. Schenck, John L. Raynor, New York City; W. F. Kasting, Buffalo, N. Y.; A. S. Burns, Elmhurst, N. Y.; H. H. Battles, S. S. Pennock, Philadelphia, Pa.; John Burton, Chestnut Hill, Philadelphia, Pa.; Estate of Carl Jurgens, Newport, R. I.; Philip Breitmeyer, Detroit, Mich.; Fred Lautenschlager, Chicago, Ill. Bondholders, mortgagees and other security holders—none.

Sworn to and subscribed before Notary Public by W. J. STEWART, Business Manager.

Boston, April 1, 1915.

PERSONAL.

George Muller, florist, Newark, N. J., has been drawn on the grand jury.

P. W. Bigelow has gone into the landscape gardening business in North Grafton, Mass.

Jos. M. H. Dickson, Town of Union, N. J., has been appointed manager of Hanley's Flower Shop.

Simon Rodh, dealer in florists' ribbons, 40 West 28th street, New York, is seriously ill with pneumonia.

James L. Miller, of Lynn, Mass., was married on Wednesday, March 17, to Miss Margaret J. Paterson, of Somerville.

Friends of John B. Nugent of 42 West 28th street, New York will be sorry to learn that Mrs. Nugent was taken down with pneumonia last Saturday and at present writing is dangerously ill.

Ronald Kelsey, son of F. W. Kelsey and secretary of the F. W. Kelsey Nursery Co., was very badly cut and bruised in a collision between an autotruck and an auto which he was driving in Orange, N. J., some three weeks ago. His father who was in the car with him escaped with slight bruises but his mother had both bones of her arm broken.

VISITORS' REGISTER.

Pittsburgh, Pa.—J. S. Hay, representing H. A. Dreer, Philadelphia, Pa.

Boston—W. C. Langbridge, Cambridge, N. Y.; W. E. Tricker, Western Springs, Ill.

New York—Fred Lautenschlager, representing Kroeschell Bros. Co., Chicago; Adolph Farenwald, Roslyn, Pa.

Philadelphia—William Hillerman, Salisbury, Md.; Stephen Mortensen, Southampton, Pa.; C. B. Coe, representing D. M. Ferry & Co., Detroit, Michigan; Walter Gott, representing Sander & Co., St. Albans, England.

Washington, D. C.—C. C. Taylor, Louisville, Ky.; F. A. Warne, of the Floral Exchange, Edgely, Pa.; H. Heemskirk, representing K. Van Bourgondren & Sons, Hillegom, Holland; Charles E. Smith, Baltimore, Md.; Walter E. Cook, representing Stump & Walter Company, New York, N. Y.; Joseph J. Goudy, representing H. A. Dreed, Philadelphia.

Kindly discontinue my advertisement in the classified ad section of HORTICULTURE, rendering bill to date.

Yours is a very good advertising medium. We have rid ourselves of practically all our surplus stock, and are therefore obliged to discontinue.

Very truly yours,

Mass.

A.

It is our BUSINESS to supply you with
SUPERIOR GLADIOLI

JOHN LEWIS CHILDS
FLOWERFIELD, L. I., N. Y.

Asparagus Plumosus Nanus Seed

NEW CROP

NORTHERN GREENHOUSE GROWN

1,000 Seeds	\$3.50
5,000 "	15.50
10,000 "	30.00
25,000 "	72.50

LATHHOUSE GROWN

1,000 Seeds	\$2.50
5,000 "	12.00
10,000 "	23.00
25,000 "	52.50

ASPARAGUS HATCHERII

100 Seeds	\$1.00
500 "	3.25
1,000 "	6.00

Also all other Seasonable Seeds, Bulbs and Supplies for the Florist.

LATEST WHOLESALE CATALOG
AND PRICE LIST FREE
FOR THE ASKING.

HENRY F. MICHELL CO.
518 Market St., Phila.

BURNETT BROTHERS

Importers and Growers of

SEEDS, BULBS, PLANTS, &c.

98 Chambers Street, New York

S. S. SKIDELSKY & CO.

BULBS, PLANTS and SEEDS

1218 Betz Bldg., Philadelphia

Catalogue on application

MY NEW LIST OF

Winter Spencer Sweet Pea Seed

Has been mailed. If not in your hands now, send a postal for it.

ANT. C. ZVOLANEK
Lompoc, Cal.

ROSES

Dormant Stock

Just arrived, in fine condition, including HYBRID PERPETUALS, HYBRID TEAS and CLIMBERS. Ask us for names and prices.

W. E. MARSHALL & CO., Seedsmen
166 WEST 23rd ST., NEW YORK

"SEEDS WITH A LINEAGE"

Seeds with a generation of finest flowers and vegetables back of them—carefully selected—really tested.

Write today for Catalog.

CARTER'S TESTED SEEDS, Inc.
166 Chamber of Commerce Bldg.
Boston, Mass.

Burpee's Seeds

PHILADELPHIA

BLUE LIST OF WHOLESALE PRICES
MAILED ONLY TO THOSE WHO PLANT
FOR PROFIT

BEGONIAS

FARQUHAR'S TUBEROUS ROOTED

The great value of Tuberous Rooted Begonias for Lawn Beds and Borders is appreciated owing to the continuous production of large and gorgeous flowers.

Single and double varieties in the following colors:—Crimson, Scarlet, Pink, White, Orange and yellow.

Write for Prices

R. & J. FARQUHAR & CO.
6 SOUTH MARKET ST., BOSTON, MASS.

PEAS, BEANS, RADISH } Growers for the Trade
and all Garden Seeds }

LEONARD SEED CO.
226-230 W. KINZIE STREET, CHICAGO
ONION SETS
Write for Prices

Seedsmen requiring the very best selections of

Garden Seeds

(VEGETABLE AND FLOWER), especially
Kelway's Celebrated English Strains
can get them at lowest independent whole-
sale rates by sending their orders direct to

KELWAY & SON

Wholesale Seed Growers
LANGPORT, SOMERSET, ENGLAND
Special quotations on application

Place your order now for Ayres' Winter
Flowering

SWEET PEA SEED
S. BRYSON AYRES CO.

"Renowned Sweet Pea Specialists"

SUNNYSLOPE, INDEPENDENCE MO.

J. BOLGIANO & SON
WHOLESALE FIELD AND GARDEN SEEDS

Established 1818

Write For Our Low Price

LIGHT, PRATT and ELLICOTT STS.
BALTIMORE, MD.

J. W. Edmondson, Mgr. M. W. Williams, Sec'y
**California Seed Growers
Association, Inc.**

Growers For Wholesale Dealers
SAN JOSE CALIFORNIA

GLADIOLUS

	100	1000
Blushing Bride	- \$0.75	\$6.00
Peach Blossom	- 1.00	8.00

A. HENDERSON & CO.
243 RIVER STREET, CHICAGO

SEEDS FOR PRESENT PLANTING

BEGONIAS, ANTIRRHINUM
STOCKS, LOBELIAS,
VERBENAS, ETC.
THOS. J. GREY CO.
32 So. Market St., Boston.

THE BUGS ARE BUSY
NICO FUME LIQUID and PAPER
Prepaid to Your Door

1 Gal. Can....	\$10.50	½ Gal. Can....	\$5.50
258 Sheets Paper.....			1.50
144 Sheets Paper.....			4.00

ROMAN J. IRWIN, 108 West 28th St.
NEW YORK

NEW CROP SEEDS

FOR FLORISTS
Ask for 1915 Catalogues
Joseph Breck & Sons Corp.
Seedsmen
47-54 No. Market St., BOSTON, MASS.

When writing to advertisers kindly
mention *HORTICULTURE*.

Thorburn's Seeds

WE give below selections from our
trade list especially suitable for
the Florist at this time of year.
It will be noted that the prices are
somewhat below the market as we have
considerable stocks of most items.

Like all Thorburn Seeds and Bulbs,
however, they have been selected with
care and are of the best quality.

ASTERS	
Branching	Per oz.
White	\$.75
Crimson	.75
Rose	.75
Dark Blue	.75
Mixed	.65
Queen of the Market	
White	.65
Crimson	.75
Light Blue	.75
Dark Blue	.75
Mixed	.65
Paeony-Flowered	
Perfection Mixed	1.25
Dwarf Chrysanthemum	
Mixed	1.25
Victoria, Tall, Mixed	1.00
Victoria, Dwarf, Mixed	1.25
Giant Comet, Mixed	1.25

PETUNIAS	
Hybrida, Single Mixed	.45
Howard's Star	1.50

PINKS	
China, Double Mixed	.30

CALLIOPSIS	
Mixed Annual, 20c. per oz., \$1.00 per lb.	
<i>Prices per pound on application</i>	

If you haven't had our Spring Cata-
logue and special prices to florists, write
us and they will be sent you promptly.

J. M. Thorburn & Co.

53 Barclay Street,
through to 54 Park Place,
NEW YORK.



"The Thorburn New Red Sun-Flower."

ALEX. McCONNELL611 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery by steamships or elsewhere receive special attention.

*Cost of Packing Foreign Deliveries
Must be prepaid*

Reference or cash must accompany all orders from unknown correspondents.
Cable Address, ALEXCONNELL.

G. E. M. STUMPP

761 Fifth Ave.

NEW YORK CITY

Member Florists' Telegraph Delivery Asso.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to
New York City

Or OUT-GOING STEAMERS

Write or Telegraph

2130-2141 Broadway, - New York
Telephone 1562-1568 Columbia

Established 1874

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City
Member Florists' Telegraph Delivery Asso.

Flowers shipped via A. Steamer. Special Correspondence in A. the vice city of E. and the British Colonies. Telegraph and Cable Address: Dardsflor.

A. T. BUNYARD**NEW YORK**

413 Madison Avenue at 48th Street.
Also Newport, R. I.

We Guarantee Satisfaction

MEMBER F. T. D. A.

Myer **NEW YORK**
609-611 Madison Ave.
Wholesale and retail flowers and
designs for all occasions. Steamer and the
flowers a specialty.

Member Florists Tel. Delivery. Wire Me Your Orders

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"**Of Interest to Retail Florists****THE RETAILERS' BUSINESS CALENDAR.**

April 10, Saturday. It's wonderful how great is the power of pluck. Every man who has conquered success, in whatever calling, has possessed it. He has been full of the courage to do, and the pluck and nerve to hang on until it is done. Of course, you may get knocked out for a time. The best of men do—but it doesn't count as long as you do not stay out. Get up again, take a fresh hold, and go at it harder than ever, with renewed energy and determination. Disappointments and discouragements are necessary to the highest development of our powers. It often requires some great disaster, some overwhelming opposition, to discover our real strength and resources.

April 11, Sunday. There are still hundreds of florists who believe that it is for their best interests to keep open shop on Sunday. Why should the flower shop be on the level of the cigar or the candy and ice cream store, which are the only places opened on Sunday throughout the greater portion of our country? We have heard a prominent retailer remark that if florists' experienced employees only realized how necessary they are to the business, and took organized action, they could command shorter hours, better pay, etc.

April 12, Monday. The man who makes a habit of cutting prices is much more dangerous to himself than he is to the trade at large. Generally speaking, he is offering his goods at cut rates because he doesn't know better. Such a person can handle just about so much; the best plan is to let him alone and pay no attention to his reduced prices.

April 13, Tuesday. Is your store a warm store, heart-heated; where the clerks act as if they were glad to see customers? We like to enter a store that invites us in by an attractive window display. The windows very seldom misrepresent the quality of the store. They are silent salesmen.

April 14, Wednesday. Customers love enthusiasm, steady sincere enthusiasm as much as you do. They will catch your spirit about the flowers, and your love for them. They will take home not simply your good goods, but also your good spirit about them. And every day will be a day of appreciation of satisfied customers and of personal pleasure in your business.

April 15, Thursday. It is not too early to consider advertising co-operatively for Mothers' Day or Memorial Day. Call up the advertising manager of the best newspaper in your town and suggest to him that he circulate the idea among the leading florists. It may take all the time before these days come around to convince some of them that they ought to come in on a full page advertisement.

April 16, Friday. How many homes are there in your town that don't need a few shrubs and flowering plants to beautify the immediate surroundings? Every florist who knows his business can be the local landscape gardener if he will only go after the work systematically.

JOHN BREITMEYER'S SONSCor. Broadway and Gratiot Aves.
DETROIT, MICH.**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good sections of Ohio, Indiana and Canada.
Members Florists' Telegraph Delivery Association.

THE ROSERY

23 STEUBEN ST.

ALBANY, N. Y.**FLOWER DELIVERIES FOR ALBANY AND VICINITY**

Members Florists' Telegraph Delivery

*Danker***Albany, N. Y.**

Not How Cheap
But How Good.

Capital of the Empire State

Member F. T. D. A.

**WASHINGTON,
D. C.****GUDE'S**

Member Florists
Telegraph
Delivery

SAMUEL MURRAY**Kansas City, Mo.****913 Grand Ave.**

Member of the Florists' Telegraph Delivery

All Orders Given Prompt and Careful Attention

The Park Floral Co.

J. A. VALENTINE, Pres.

Member Florists' Telegraph Delivery.

DENVER, COLORADO**Rochester, N. Y.****J. B. KELLER SONS,
FLORISTS****25 Clinton Avenue, N.**

Rochester Phone 306. Long Dist. Bell Phone 2784

Members Florists Telegraph Delivery

'THE HOME OF FLOWERS'

The largest cut flower store in America.
Orders for the TWIN CITIES and for all
Northwestern points given prompt attention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

RANDALL'S FLOWER SHOP

HARRY I. RANDALL, Proprietor.

Phone: Park 14

3 PLEASANT ST., WORCESTER, MASS.

Member Florists Telegraph Delivery Association

**S. A. ANDERSON**

440 Main St., Buffalo, N. Y.

ANDERSON service means fresh, sturdy stock, and prompt deliveries in BUFFALO, LOCKPORT, NIAGARA FALLS and WESTERN NEW YORK.

Members of Florists' Telegraph Delivery.

CHICAGO Send Your Orders to WILLIAM J. SMYTH

Member Florists' Telegraph
Delivery Association

Michigan Ave. at 31st Street

Prompt Auto Delivery
Service

CHICAGO

And Neighboring Towns

Are Thoroughly Covered by

SCHILLER, THE FLORIST

(Member Florists' Telegraph Delivery).

Flowergram or Mail Orders from florists
anywhere carefully filled and delivered
under the supervision of

GEORGE ASMUS, Mgr.

2221-2223 W. Madison St., CHICAGO.

'Phone West 822

**THOS. F. GALVIN
INC.**

NEW YORK 561 Fifth Ave.
Vanderbilt Hotel

BOSTON 1 Park Street
799 Boylston Street

Deliveries to Steamers and all Eastern Ports

CLEVELAND

A. GRAHAM & SON

5523 Euclid Ave.

Will take good care of your orders

Members of F. T. D. Association.

WASHINGTON

915 F ST. N. W.

F. H. KRAMER

Auto delivery of Designs and Flowers to
any address in Washington.

Stock and Work First Class

F. R. PIERSON CO.

FLORISTS AND
PLANTSMEN

TARRYTOWN ON HUDSON, - N. Y.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL STREET, ALBANY, N. Y.

ST. LOUIS, MO.

FRED C. WEBER

4326-28 Olive St.

Member Florists' Telegraph Delivery Association
NOTICE INITIALS. We have one store only

Flowers by Telegraph

Leading Retail Florists Listed by
Towns for Ready Reference. Orders
transferred by telegram or otherwise
to any of the firms whose address is
here given will be promptly and prop-
erly filled and delivered.

Albany, N. Y.—Danker.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.

Albany, N. Y.—The Rosery, 23 Steuben St.

Boston—Thos. F. Galvin, 1 Park St.

Boston—Penn, the Florist, 37-43 Brom-
field St.

Buffalo, N. Y.—S. A. Anderson, 440 Main
St.

Buffalo, N. Y.—Palmer's, 304 Main St.

Chicago, Ill.—Schiller the Florist, George
Asmus, Mgr.

Chicago—William J. Smyth, Michigan
Ave. and 31st St.

Cleveland, O.—J. M. Gasser Co., Euclid
Ave.

Cleveland, Ohio—Adam Graham & Sons,
5523 Euclid Ave.

Denver, Col.—Park Floral Co., 1649
Broadway.

Detroit, Mich.—J. Breitmeyer's Sons,
corner Broadway and Gratiot Ave.

Houston, Tex.—Kerr, The Florist.

Kansas City, Mo.—Samuel Murray, 913
Grand Ave.

New London, Conn.—Reuter's.

New York—David Clarke's Sons, 2139-2141
Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—Young & Nugent, 42 W. 28th.

New York—Dards, N. E. corner 44th St.
and Madison Ave.

New York—Max Schling, 22 W. 59th St.

New York—G. E. M. Stumpp, 761 Fifth
Ave.

New York—Thos. F. Galvin, Fifth Ave.,
at 46th St.

New York—J. H. Small & Sons, 1153
Broadway and Waldorf-Astoria.

New York—Myer, 609-611 Madison Ave.

New York—A. T. Bunyard, 413 Madison
Ave.

Norwich, Conn.—Reuter's.

Omaha, Neb.—Hess & Swoboda, 1415
Farnum St.

Rochester, N. Y.—J. B. Keller Sons, 25
Clinton Ave., N.

St. Louis, Mo.—Fred C. Weber, 4326-28
Olive St.

St. Paul, Minn.—Holm & Olson, Inc.

Tarrytown-on Hudson, N. Y.—F. R. Pier-
son Co.

Toronto, Can.—J. H. Dunlop, 96 Yonge
St.

Washington, D. C.—Gude Bros., 1214 F
St.

Washington, D. C.—F. H. Kramer, 915
F St., N. W.

Westerly, R. I.—Reuter's.

Worcester Mass.—Randall's Flower Shop,
3 Pleasant St.

Yayside, N. Y.—Mrs. Caroline Smith,
wife of Frederick Smith, a florist of

Bell avenue, underwent her twelfth
operation last Wednesday at St. Luke's

Hospital. The other eleven opera-
tions, which were for various ailments,

proved successful. This operation was
for a fractured skull. Mrs. Smith sus-
tained the fracture on Monday. While

walking to the sidewalk from her store
she was struck by a bicycle ridden by

a twelve year old girl. Mrs. Smith's
head struck the wheel of a truck. Sur-
geons at St. Luke's Hospital hold out

hopes for her recovery.

Penn The Florist

"The Telegraph Florist"

Member of Florists' Telegraph Delivery

37-43 Bromfield St., Boston, Mass.

ORDERS FOR

NEW YORK

WIRE OR PHONE TO

MAX SCHLING

22 West 59th Street, adjoining Plaza Hotel

Best Florists in the States as References

EUROPEAN ORDERS EXECUTED

Members of the Florists' Telegraph
Delivery.

REUTER'S Members Florists
Telegraph
Delivery

STORES IN

New London and Norwich, Conn.

and Westerly, R. I.

We cover the territory between

New Haven and Providence

**HESS & SWOBODA
FLORISTS**

Telephones 1891 and L 1889

1415 Farnum St.,

OMAHA, NEB.

THE J. M. GASSER COMPANY,

CLEVELAND

Euclid Avenue

Kerr **ORDERS
FOR
TEXAS**
The Florist **HOUSTON, TEXAS**
Member F. T. D. Association.

The Far-Famed Flowers of

TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP

96 Yonge St., - - TORONTO, ONT.

NEWS ITEMS FROM EVERYWHERE

BOSTON.

SAVING A CORNER. The corner of the street, had the flowers decorated for four of the largest and most prominent churches in the city.

Thos. J. Clark, of Boylston street, opened up Doyle's old store for Easter in conjunction with the Mass. General Hospital, which was selling the pottery made by crippled patients.

Filene's Flower Shop doubled their space for Easter week. It certainly must have been worth while, as this store covers what is probably some of the most valuable land in the city.

The Boston Rose Co. had some splendid Hadley roses April 2 from the Montgomery Co. Their quick sale showed the desirability of this rose, which came originally from the Montgomery Co., of Hadley, Mass.

The Mrs. Charles Russell rose easily led all other varieties last week. The Waban Rose Conservatories are indeed fortunate in being the originators of this beautiful variety, which has found such favor with the public east and west.

The dire necessity of an efficient local credit association certainly made itself felt this week through the bankruptcy of Wm. P. Pierce, of New Bedford. H. M. Robinson & Co. and B. A. Snyder & Co. are among the biggest sufferers.

McAlpine & McDonald did a big business in roses Easter week, especially for out-of-town orders. The entire basement below the Co-operative Market is now occupied by this growing firm, which just a year ago April 1 started business as wholesale florists.

Penn the Florist did not feel the effects of Saturday's storm as badly as some of the other local retailers. An advertising campaign, which included a half-page advertisement in one of Boston's biggest dailies, helped out wonderfully to keep up business to last year's record.

Mayor Curley has informed all the heads of departments that they are expected to donate 5 per cent of their salaries to a conscience fund because of the city's poverty. The total proceeds of this assessment, amounting altogether to about \$4000 will be expended in the development of the Convention Garden in the Fenway.

Saturday's storm worked havoc with the "mushroom" stores downtown. These ephemeral business establishments are necessarily dependent on transient trade, and with the coming of the snow storm this decreased rapidly on Saturday. These shops proved a good outlet for the cheaper plants and flowers Thursday and Friday.

John Cummings, of Woburn, cleaned up his last batch of violets Saturday.

Cucumbers will be planted in their place. Violet growers generally have not had a very good year, an overabundance of flowers at the wrong time bringing prices down to ridiculously low figures. Early in the season too much foliage was thrown to secure a satisfactory pick of blooms.

The Breck-Robinson Nursery Co., of Lexington made a very effective window display for the Archway Book Store this week. It represented the sandy cove of a lake. Back of the beach was a thick planting of beautiful little evergreens. Drawn up on the sand could be seen a birch bark canoe. A clear mirror made a neat substitute for the water of the lake. This little landscape attracted many admirers.

The storm did not affect the big wholesale houses as badly as it did the retailers. N. F. McCarthy & Co. were practically through with shipping orders by Friday night, and except for a little local trade that was lost Saturday the season was fairly good. Welch Bros. stated that if the storm had not occurred the Easter of 1915 would have passed all previous records. Several big orders from retailers were cancelled Saturday.

WASHINGTON.

George Gould, who was formerly with the Washington Florists' Company, has accepted a position with George C. Shaffer. He has been succeeded at his former place of employment by Walter Gordon, who is well known among the trade.

Record breaking crowds were to be seen at the Botanical Gardens during the Easter period and for the benefit of the thousands of people who are now visiting the city on the many tours being made by the various railroads, Superintendent George W. Hess has been making a special exhibition of orchids and other rare plants.

The next regular meeting of the Florists' Club of Washington, D. C., will be held at 1214 F street, northwest, Tuesday evening, April 13. A moving picture exhibition of the latest happenings in the European war zone and other instructive pictures will be the feature of the evening. Plans will also be discussed for the giving of the annual banquet during the month of May.

The Brookland Rose Society is actively engaged in the completion of its plans for the annual rose exhibition to be held May 20 and 21. Franklin T. Howe is chairman of the exhibition committee, while E. C. Saltzman is chairman of the finance committee. Two committees have been appointed, as follows: Medal Committee, Franklin T. Howe, J. E. Eastlack, and E. C. Saltzman; committee on rose record cards, Dr. William Turn, Dr. Alphones Patton and Dr. Parker. Attractive medals are to be presented to the winners in the several classes.

PHILADELPHIA.

Some interesting new roses were shown at Pennock-Meehan's during the past week. Among them were Augustus Hartman, a fine light crimson with pink reverse by Stephen Mortensen; and three seedlings of Edward Towill, two of them pink of the La France type, and one yellow. All of these seem promising and will probably be heard from later.

Easter Plant Trade.

The big plant growers, like Craig and others who advertise and do a country-wide trade, report a very satisfactory Easter business. The smaller growers who depend on local trade suffered severely from the blizzard which came on their best day—Easter Saturday. Their case was certainly a heart-breaking one and it is not only the many thousands of dollars lost but that it fell on the shoulders of those least able to bear it. Among the big retail stores the demand was mostly for the lower priced plants—the leftovers being the expensive specimens at \$7, \$10, \$15 and upwards. Of course this class of trade did not suffer much from the storm. It was the out-of-door men who got the worst of it in that respect. There was nothing particularly new to be seen in the plant line. The stock consisted of the usual staples with which we are all familiar.

Flower Competition.

After all is said, maybe it is a good thing to have the unemployed. It keeps down the wages. If there were no unemployed, wages would go up. And then where would the employer be in the cost of production? So we may apply the same rule to flower trade competition. It we did not have too much product the grower would be likely to get too grasping; and the retailer would then get it "in the neck!"

A. B. Cartledge, of Pennock Bros., sized it up well when we talked to him at retail for Easter lilies doesn't worry on Good Friday. "Nine cents a bloom us. We give service. The fakir, the ten cent store, or the department store can't touch us. Of course, at holidays there are multitudes that have to be satisfied with inferior service and inferior quality, but that has always been since the world began. So we never worry about that. We could not handle all of it, anyway, so what's the use of getting worried about the trade we don't want. We get our share and we get it on different lines and we are satisfied."

Bart is a philosopher!

The greenhouse builders appear to be "angels in disguise" after all.

NOTES.

Utica, N. Y. — Milton Williams and Louis Weider have purchased the

greenhouses of Frank McGowan at \$08 Sunset avenue and will hereafter conduct them, doing both a wholesale and retail florist business. About 20,000 feet of glass cover the greenhouses. Both Mr. Williams and Mr. Weider have had experience in the florist business, having been connected with A. & J. Williams, florists for a number of years. They are energetic, hustling young men and deserve to succeed.

Pittsburgh, Pa.—O. J. Parker, of Scobie & Parker, is anticipating his annual visit to his son, O. J. Parker, of Los Angeles, Cal., during the summer.

Ralph Franklin Pinner, who has charge of the landscape department for the A. W. Smith Company, is designing and laying out 20 acres of the 700-acre estate of James Ward, Jr., in the Fifteenth ward; and the estate of James E. Hindman, of East Wilkinsburg, and George Wittmer, Jr., of Wildwood.

Manchester, Mass.—James Satter, for the past fourteen years gardener to Mr. Philip Dexter, has been appointed instructor in vegetable growing at the Essex Co. Mass. Agricultural School. Members of the North Shore Horticultural Society gave him a pleasant surprise party on the evening of March 30, presenting him with a handsome clock as a token of their esteem and a memento of their friendship for him. The good wishes of the entire community go with him to his new home. W. T.

Braintree, Mass.—The mystery of the disappearance of Carl Waldecker, of the firm of Waldecker Brothers, florists, a few days ago, who had not been heard from since last July, was cleared up when his brother, Herman Waldecker, received a letter from him stating that he is with the 14th German Army Corps, and for five months past has been in Arras, France, living most of the time in trenches nine feet underground. Waldecker is not an American citizen, and he makes no complaint of being forced into military service. He expresses the hope of being able to return to Braintree when the war is over.

Bridgeport, Conn.—Sunday was expected to be a record-breaking day. It was, but not in the manner expected. Instead of delivering flowers and plants under ideal Easter conditions, they had to be sent to their owners under the same conditions that prevail at Christmas. Automobiles had to be heated for their conveyance. John Reck & Son state that they suffered the loss of many hundreds of dollars through the weather. Seven automobiles delivering flowers had to be towed in, one of them injured through an accident, and one of the horses was hurt. Subsequently all the horses had to be called in.

**THE Florists' Supply
House of America**

H. BAYERSDORFER & CO.
1129 Arch St., Philadelphia, Pa.

AN EASTER BASKET.



Dendrobium Wardianum, Erica, Acacia and Ferns, by Max Schling.

NEW FLOWER STORES.

Hillsboro, Tex.—Miss M. C. Wood.
Boston.—Hoffman, 194 Boylston street.
Jackson, Tenn.—B. F. Kramer, Main street.
St. Louis, Mo.—Mrs. J. Rohrbach, Union avenue.
Holyoke, Mass.—Outlet Floral Co., 192 High street.
Marlboro, Mass.—Roy G. Carter, 27 Mechanic street.
White Plains, N. Y.—John H. Lauren, Spring street.
Pittsburgh, Pa.—Gydas & Pyras, 3707-9 Forbes street.
Waterbury, Ct.—Daniel J. and James Leary, 22 E. Main St.
Branford, Ct.—Clifford Barrows, successor to Everett Moore.
Bernardsville, N. J.—Laver & Nissen, Westlecraft Building.
Troy, N. Y.—Sambrook Bros., 5th avenue and Fulton street.

East Chicago, Ill.—T. E. Matchen, South Shore Waiting Room.

Cedar Rapids, Ia.—Cedar Rapids Floral Co., Montrose Hotel Bldg.

Martins Ferry, O.—Albert Kerher, & Son, Hoop Bldg., South Fourth St. Davidson Bros., Cropper Bldg., 5th and Hanover Sts.

Baltimore, Md.—T. F. Wilcox, 348 N. Calvert street; Wm. Terry, 1409 W. Baltimore street; Eschenback & Muth, 1119 W. Baltimore street.

Denver, Col.—Columbine Flower Store, 1535 Cheyenne place; Denver Flower Store, 712 15th street; Theo. Loken, 15th and Arapahoe streets.

New York—Traendly & Schenck's new address will be 436 Sixth avenue. They will move in as soon as the place is fitted up.

NEW CORPORATIONS.

Bartow, Fla.—Lake Garfield Nurseries Co., capital stock, \$25,000. Incorporators, Geo. R. Johnston, V. L. Brown, Lillian P. McMillen.

West Allis, Wis.—Blue Mound Nursery Co., capital stock, \$6,500; incorporators, Theodore I. Ferguson, R. C. Hollbrook, F. N. Ferguson and A. C. Hanson.

Great Neck, N. Y.—Nassau Nurseries, nursery, landscape gardeners, potteries, ceramics, earthenware, \$10,000; C. M. Ludder, P. M. Polletreau, D. J. Wagner, Manhattan.



**Real
Butterflies**

Moths, Beetles, etc., mounted on pins for floral decorations of every description. Largest stock in America. Write for prices.

The New England Entomological Company
366 Arborway, Jamaica Plain, Mass.

HEADQUARTERS FOR

BEAUTIES

LILAC AND SNAPDRAGON

When in the market let us quote you.
Our prices are always right.

THE LEO NIESSEN CO.

Wholesale Florists

N. W. Cor. 12th and Race Sts.,

PHILADELPHIA, PA.

READER!!

HELP Us to Continue
Producing the

BEST TRADE PAPER

Just Mention **HORTICULTURE**
When Writing to Advertisers

THE BEST LETTERS

FOR
FLORIST'S
USE

R

THOSE
MADE
BY THE

Boston Florist Letter Co.

66 PEARL ST., BOSTON
N. F. McCarthy, Mgr.

Block Letters, \$2.00 per 100.
Script Letters, \$3.00 per 100.

Order direct or buy from your local
supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always
in Stock.

POEHLMANN BROS. CO.

Supply of Best Cut Flowers all the Year Around
72-74 EAST RANDOLPH ST., - - - CHICAGO.

If interested, send us your name and address for our weekly price list.

WELCH BROS. CO.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE
SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED**226 Devonshire Street,****Boston, Mass.****WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY**

	CINCINNATI April 5	CHICAGO March 27	BUFFALO March 27	PITTSBURG March 29
Roses				
Am. Beauty, Special.....	40.00 to 50.00	50.00 to 60.00	50.00 to 60.00	40.00 to 50.00
" " Fancy and Extra.....	20.00 to 25.00	40.00 to 50.00	40.00 to 50.00	25.00 to 35.00
" " No. 1.....	10.00 to 20.00	20.00 to 30.00	20.00 to 30.00	15.00 to 20.00
Killarney, Richmond, Extra.....	8.00 to 10.00	10.00 to 12.00	10.00 to 12.00	8.00 to 10.00
" " Ordinary.....	3.00 to 6.00	4.00 to 8.00	4.00 to 8.00	6.00 to 10.00
Hillingdon, Ward, Sunburst, Extra.....	8.00 to 10.00	10.00 to 12.00	10.00 to 12.00	8.00 to 10.00
" " Ordinary.....	3.00 to 6.00	4.00 to 8.00	4.00 to 8.00	6.00 to 10.00
Maryland, Radnor, Taft, Extra.....	8.00 to 10.00	10.00 to 12.00	10.00 to 12.00	8.00 to 10.00
" " Ordinary.....	3.00 to 6.00	4.00 to 8.00	4.00 to 8.00	6.00 to 10.00
Russell, Hadley, Ophelia, Mock.....	8.00 to 10.00	10.00 to 12.00	10.00 to 12.00	8.00 to 10.00
Carnations, Fancy.....	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00	5.00 to 6.00
" " Ordinary.....	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	3.00 to 4.00
Cattleyas.....	50.00 to 60.00	50.00 to 60.00	50.00 to 60.00	50.00 to 60.00
Lilies, Longiflorum.....	10.00 to 12.00	10.00 to 12.00	10.00 to 12.00	10.00 to 12.00
" " Rubrum.....	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00
Lily of the Valley.....	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00
Daisies.....	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00
Violets.....	.50 to 1.00	.50 to 1.00	.50 to 1.00	.50 to 1.00
Snapdragon.....	8.00 to 10.00	10.00 to 12.00	10.00 to 12.00	8.00 to 10.00
Narcissus, Paper White.....	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Freesias.....	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00
Daffodils.....	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00
Tulips.....	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Sweet Peas.....	.50 to 1.00	.50 to 1.00	.50 to 1.00	.50 to 1.00
Corn Flower.....	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00
Gardenias.....	30.00 to 40.00	30.00 to 40.00	30.00 to 40.00	30.00 to 40.00
Adiantum.....	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Smilax.....	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Asparagus Plumosus, Strings (100) & Spreng. (100 behs.)	25.00 to 30.00	25.00 to 30.00	25.00 to 30.00	25.00 to 30.00

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EASTER FLOWER MARKET REPORTS

Easter business was generally good, especially considering the very unexpected snow storm that held the city in its grip all day Saturday. The early part of the week was rather quiet, the usual apathy just before a holiday rush. Thursday morning things began to move with the activity that gave promise of a successful Easter, which indeed it was. Friday's business came up to the most sanguine expectations and this was the biggest day of the week. Although the sudden snow flurry on Saturday undoubtedly decreased the number of transient sales, it did not prevent the day from being highly satisfactory. All reports from local retailers mention the storm as being the cause of much inconvenience in packing and deliveries. They were but little prepared for it, and thus delays in deliveries necessarily occurred, which to some extent marred the success of the season. There was a splendid business in blooming plants, not only in lilies, but in azaleas, ramblers roses, bonganvilleas, etc. The lily item formed a big part of the week's sales, but from local reports we gather that it did not command the prominence that has been its wont in former years. There was just as much, if not a greater demand for rambler roses and azaleas. Roses and violets were the principal factors in the cut flower situation. Roses were abundant in all grades and varieties, Killarneys, pink and white, being in great demand. There was also a good supply of Hadley, Russell, Ward and Hillingdon. American Beauties were sold in limited quantities at only average prices. Carnations sold better in the early part of the week than they did on Friday and Saturday, colored kinds going better than the whites. Callas were fairly plentiful and were in good demand at \$1.50 per dozen. Lily of the valley sold well, also daffodils. Orchids and gardenias did not receive so great a call as might be expected. Taken as a whole the Easter business was quite satisfactory, and judging from the reports of wholesalers the plantsmen reaped the greater share of the harvest. At present prices are the same as for the week before Easter and there is an abundance of all kinds of flowers.

The week preceding Easter was not a bad one in the general line of trade and the volume of business was materially increased through the sale of plants. Easter week was opened with a snow storm, the temperature falling as low as 18, but the end of the week saw a moderation in the climate and plants were delivered unwrapped. The Easter lily, as usual, had the heaviest sales. The supply was as good as in other years, but by Saturday morning there were no more to be had as the growers and wholesalers were cleaned up. There was a good lot of rose bushes, ramblers, genistas, azaleas, heathers, etc., and an enormous supply of tulips. The cut flower line was good although prices

may have been less on some lines than in previous years. The supply of carnations was not as heavy, the quality was better and prices 5 per cent. higher. Rose shipments arrived in good shape and the outlet was good. Richmonds were a little scarce but the supply of Beauties was excellent and cleaned up satisfactorily. Cut lilies and callas sold well and a heavy supply of violets and sweet peas were disposed of. Lily of the valley sold out and everything along the line had a fair demand. It was a good Easter and by all indications the retailers did as well as in previous years.

Reports from the leading florists in Chicago indicate that the Easter florist business this year was the heaviest ever experienced. There were various reasons for this. First, the weather Easter week was ideal, being clear and pleasant, Saturday being especially favorable, a great contrast from the blizzard reported from the East. Easter prices were lower than usual, but the volume of business was very much heavier and more than made up for the lower prices. Plants seem to be still growing in popular favor and there was not enough good medium-priced stock to supply the demand, the growers all being cleaned out and the retailers say they could have sold more if it were possible to get the stock. Good tall lilies were in very of a lily plant in blossom sold well, but at very low prices. After lilies the demand was for bulb stock, azaleas, baby and rambler roses, rhododendrons, hydrangeas and, in fact, for anything in bloom. Cut flowers on the whole were of excellent quality and, with the exception of a few items, in abundant supply, the exception being Beauties and red and yellow roses. Beauties were extremely scarce and not of the very best quality. Some very choice long-stemmed stock was offered, but, of the shorter lengths a large proportion could only be classed

as fair. But everything good, bad or indifferent found a ready sale. The cut of Richmond and Milady was rather light, and many late orders for these as well as for Wards and Sunburst could not be filled. Killarney, both pink and white, was abundant and about equal to demand. Some very fine Shawyer, Bulgarie and Killarney Brilliant were offered and readily sold at good prices. There was a brisk call for Ophelia but the offerings of this popular rose were rather limited for the reason that nearly all the growers have been using all the available wood for propagating. Carnations were plenty and of very good quality. There was less pickled stock on the market than has been noted at any previous Easter. Bulbous stock was varied and plentiful in every line. It looked at one time, in the middle of the week, that the market would be swamped with stock but contrary to expectations there was very little carried over. The lily was one of the items that was rather in over supply. The demand was heavier than ever, but the supply being still heavier than the demand, stock was left in the wholesalers' refrigerators. Sweet peas enjoyed an excellent demand. The offerings although large were not quite large enough for the demand and on Sunday morning quiet a number of dealers looked in vain for stock to fill orders. Violets sold well and with the exception of some eastern doubles, the stock was of good quality for this season of the year. Home-grown singles had the preference. In miscellaneous stock we noted some fine snapdragon, stocks, calendulas, spiraea, pansies, etc. Owing to the continued cool weather and the early date of Easter there was an enormous quantity of southern jonquils dumped on the market but at the prices offered—50 to 65c. per 100, in case lots—they sold readily.

The reports of all the wholesale

(Continued on page 507)

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON April 8		ST. LOUIS April 5		PHILA. March 22	
Roses						
Am. Beauty, Special	25	to 35.00	30.00	to 40.00	35.00	to 50.00
" " Fancy and Extra	1	to 20.00	15.00	to 20.00	10.00	to 25.00
" " No. 1	4.00	to 10.00	8.00	to 10.00	4.00	to 8.00
Killarney, Richmond, Extra	1	to 12.00	8.00	to 10.00	0.00	to 10.00
" " Ordinary	1	to 3.00	4.00	to 5.00	2.00	to 5.00
Hillingdon, Ward, Sunburst, Extra	6.00	to 12.00	10.00	to 12.00	6.00	to 10.00
" " Ordinary	2.00	to 4.00	4.00	to 6.00	2.00	to 5.00
Maryland, Radiance, Taft, Extra	1	to 12.00	8.00	to 10.00	6.00	to 10.00
" " Ordinary	1	to 4.00	4.00	to 5.00	2.00	to 5.00
Russell, Hadley, Ophelia, Mock	1	to 12.00	10.00	to 15.00	4.00	to 15.00
Carnations, Fancy	3.00	to 3.50	3.00	to 4.00	3.00	to 4.00
" " Ordinary	1	to 2.00	1.00	to 2.00	2.00	to 3.00
Cattleyas	20.00	to 30.00	40.00	to 50.00	15.00	to 50.00
Lilies, Longiflorum	7.00	to 8.00	8.00	to 10	8.00	to 10.00
" " Rubrum	.....	to 6.00	.....	to 3.00	3.00	to 8.00
Lily of the Valley	1	to 4.00	3.00	to 4.00	1.00	to 4.00
Daises	1.50	to 1.50	1.00	to 2	.50	to 2.00
Violets	1	to .75	.25	to .50	.20	to .5
Snapdragon	3.00	to 5.00	3.00	to 4.00	4.00	to 15.00
Narcissus, Paper White	1	to 2.00	2.00	to 3.00	1.50	to 2.00
Freesias	.....	to 2.00	2.00	to 3.00	1.00	to 3.00
Daffodils	1	to 3.00	2.00	to 3	1	to 1.00
Tulips	1	to 2.00	2.00	to 3.00	2.00	to 3.00
Sweet Peas	.75	to 1.00	.25	to 1.00	.35	to 1
Corn Flower	.....	to .75	.....	to 1	1	to 2.00
Gardenias	.....	to 30.00	.....	to 1	1	to 20.00
Adiantum	.....	to 1.00	1.00	to 1.25	.....	to 1
Smilax	1	to 12.00	10.00	to 12.50	10	to 20.00
Asparagus Plumosus, Strings (100)	to 50.00	35.00	to 50.00	to 50.00
" " & Spreng. (100 Bchs.)	2	to 40.00	25.00	to 35	to 10

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NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS

	Last Half of Week ending Apr. 3 1915		First Half of Week beginning Apr. 5 1915	
American Beauty, Special	15.00	to 30.00	20.00	to 25.00
" " Fancy and Extra	10.00	to 20.00	10.00	to 15.00
" " No. 1	5.00	to 8.00	3.00	to 6.00
Killarney, Richmond, Extra	5.00	to 8.00	4.00	to 6.00
" " Ordinary	1.00	to 3.00	1.00	to 4.00
Hillingdon, Ward, Sunburst, Extra	5.00	to 6.00	4.00	to 6.00
" " Ordinary	1.00	to 3.00	1.00	to 3.00
Maryland, Radiance, Taft, Extra	4.00	to 6.00	4.00	to 6.00
" " Ordinary	1.00	to 3.00	1.00	to 3.00
Russell, Hadley, Ophelia, Mock	8.00	to 15.00	8.00	to 15.00
Carnations, Fancy	2.00	to 3.00	2.00	to 2.50
" " Ordinary	1.00	to 1.50	1.00	to 2.00

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101 W. 28th St., NEW YORK

We have 20 years' experience behind us.
Telephone, Madison Square 806 and 807.



Easter Market Reports

(Continued from page 505)

firms agree that the shipping demand was up to and in some instances exceeded that of any previous Easter notwithstanding the general depression of trade in most other lines. And as stated above the market was well cleaned up on Friday night without practically any break in quotation prices. The local demand, however, on Saturday was rather disappointing and not up to the usual standard, and in consequence values dropped on some lines, particularly lilies. Carnations also felt the effect of a slow demand and declined in price. Roses held up well and comparatively small amounts were left unsold by Sunday noon.

Easter business was CINCINNATI excellent. At first it started rather slowly but the close was brisk and turned what was apparently an ordinary holiday business into a good one. All varieties of flowers had a very active demand and sold well with the exception of the choice American Beauties and orchids. Both of these seemed to be too high priced for the average Easter flower buyers. Shipping business and the business in green goods were both of them very good. On Monday of this week the market was very tight owing to the general clearance for the holiday, but on Tuesday receipts were heavier and by the time the middle of the week has passed the supply will undoubtedly be up to normal.

The Easter trade NEW BEDFORD promised well. A good deal of business was done by most of the local florists Thursday and Friday, but the storm of Saturday pretty effectually stopped all trade. Telephone communication was in many cases cut off and electric light wires were down making great difficulty in preparing orders for early delivery Sunday morning. The ground being covered with snow, with occasional drifts, made cemetery work entirely out of the question. It was impossible to make prompt delivery in many cases. Competition was very sharp. Charity sales and the public market took much of the business usually handled by local dealers. Especially was this the case with the church work, into which they cut very largely. Numerous orders for cut flowers were cancelled on Sunday on account of the weather, causing additional loss. Lilies brought less than usual. Carnations were scarce. Roses were about as usual. Sweet peas and violets were in great demand. Bulb stock brought about the usual prices. Fredk. Reynolds had space in a drug store for the week at the corner of William and Pleasant streets. Joseph V. Peirce had an attractive display in the window of Lawton's drug store. Post & Gray showed unusually fine flowers in the newly completed part of the Steiger, Dudgeon Co.'s large department store on Purchase street. All suffered more or less from the storm.

An Easter which up NEW YORK to Saturday morning promised to be the best ever experienced in New York was turned into an orgie of the elements which overturned all calculations and brought loss and disappoint-



Week-End Sale

For Week of April 12th we offer two unusually attractive specials

Rose Special No. 1

In lots of 200 or more, best quality, long stems, our selection, \$5.00 per 100

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In lots of 200 or more, medium stems, our selection, \$2.50 per 100

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NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Apr. 3 1915		First Half of Week beginning Apr. 5 1915	
Cattleyas.....	25.00	to 75.00	15.00	to 50.00
Lilies, Longiflorum.....	3.00	to 8.00	1.00	to 4.00
" Rubrum.....	1.00	to 5.00	1.00	to 3.00
Lily of the Valley.....	1.00	to 3.00	1.00	to 2.00
Daisies.....	1.00	to 2.00	1.00	to 2.00
Violets.....	.20	to .50	.10	to .30
Snopdragon.....	4.00	to 6.00	4.00	to 6.00
Narcissus, Paper White.....	1.00	to 1.50	1.00	to 2.00
Freessias.....	1.00	to 2.00	1.00	to 2.00
Daffodils.....	1.00	to 2.00	1.00	to 2.00
Tulips.....	1.00	to 2.00	1.00	to 2.00
Sweet Peas.....	.50	to 1.00	.50	to 1.00
Corn Flower.....	.....	to 1.00	.....	to 1.00
Gardenias.....	3.00	to 25.00	8.00	to 25.00
Adiantum.....	.50	to .75	.50	to .75
Smilax.....	6.00	to 25.00	8.00	to 10.00
Asparagus Plumosus, strings (per 100).....	35.00	to 50.00	35.00	to 50.00
& Spren (100 bunches).....	10.00	to 25.00	20.00	to 40.00

ment in plenty to the entire florist trade, high and low, wholesale and retail, in this part of the country. At 8.30 A. M. on Saturday tiny flakes began to whirl about and it was not long until they were driving thick and fast before a squally wind which later became a howling gale and drove the fast-falling snow into great soggy drifts, making a scene of winter desolation such as New York has never before seen on an April day. Twenty-eighth street, where all preparations had been made for a record Easter cut flower sale, was aghast and dumb-founded at the situation and the outlook. "Spring has arrived" was the announcement displayed that morning in Harry Bunyard's seed store window, but that gentleman "had another guess coming!" Transportation was nearly at a standstill—cars, wagons and autos obstructed and stalled. F. R. Pierson told of one delivery motor car sent out at 2 P. M. Saturday which got stuck in the drifts at Tarrytown until 11 A. M. on Sunday. The flower stores with their glowing banks of azaleas, lilies, rhododendrons and genistas stood deserted at the time when ordinarily they would have been

thronged with customers. At only one place did we see anything like a genuine Easter crowd on that long-to-be-remembered night, and that was at the big department store on East 59th street where C. C. Trepel has given so many object lessons on the art of plant and flower distribution to the multitude: There was a small army of helpers and they were kept on the hustle until late Sunday afternoon. Had it not been for this unloading by

(Continued on page 512)

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Ampelopsis Veltchii 3 yr., extra strong roots and tops, 3 to 4 ft., \$8.00 per 100; 2-yr., strong, 2 to 3 ft., \$4.00 per 100, \$35.00 per 1000; 2-yr., good, 18 to 24 in., 50 by parcel post, \$2.00; \$3.00 per 100; \$25.00 per 1000, by express. All packed to carry safely without extra charge. CHAS. BLACK, Hightstown, N. J.

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Strong young plants from leaf cuttings, May and June delivery. Secure your stock from the originators; quality is our aim.

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Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 1000 for 35c.; 3000 for \$1.00 post paid. I. L. PILLSBURY, Galesburg, Ill.

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The most popular Commercial and Exhibition kinds; also complete line of Pom-poms, Singles and Anemones. Trade list on application. ELMER D. SMITH & CO., Adrian, Mich.

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Thomas Roland, Nahant, Mass.

CYCLAMEN GIGANTEUM

For several years we have been working for the improvement of the Cyclamen; we offer for March and April delivery, young thrifty plants from 2 in. pots, giant white, white-pink eye, giant pink, dark red, brilliant red, at \$5.00 per 100; Glory of Wandsbek (brilliant salmon) at \$8.00 per 100. These are plants produced from our own improved strain.

J. A. PETERSON & SONS
Westwood, Cincinnati, Ohio

DAHLIAS

Send for Wholesale List of whole clumps and separate stock; 40,000 clumps for sale. Northboro Dahlia and Gladiolus Gardens, J. L. MOORE, Prop., Northboro, Mass.

NEW PAEONY DAHLIA

John Wanamaker, Newest, Handsomest, Best. New color, new form and new habit of growth. Big stock of best cut-flower varieties. Send list of wants to PEACOCK DAHLIA FARMS, Berlin, N. J.

DECORATIVE PLANTS

Robert Craig Co., Philadelphia, Pa.
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Wizard Brand Cattle Manure.
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FUCHSIAS

Fuchsias—Black Prince, Speciosa, double
purple and white, Rooted Cuttings, \$1.00
per 100; 2½-in., \$2.00 per 100.
W. J. BARNETT, R. D. 67, Sharon, Pa.

FUNGINE

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J. E. Feilthausen, Schenectady, N. Y.
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Madame Sallerol, 2-inch, \$2.00 per 100.
WM. DOEL, Pascoag, R. I.

Geraniums, 3-inch strong plants, ready
to pot up. S. A. Nutt, \$4 per 100. Cash.
CHAS. H. GREEN, Spencer, Mass.

GLADIOLUS

John Lewis Childs, Flowerfield, L. I., N. Y.
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A. Henderson & Co., Chicago, Ill.
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Rowehl & Granz, Hicksville, L. I., N. Y.
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MRS. FRANK PENDLETON.

Second and Third-size Bulbs. Write for
Prices.

A. E. KUNDERD, R. 4, Goshen, Ind.

GLASS

Sharp, Partridge & Co., Chicago.
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Greenhouse glass, lowest prices. JOHN-
STON GLASS CO., Hartford City, Ind.

GLASS CUTTERS

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Red Devil Glass Cutter.
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GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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GOLD FISH

Gold fish, aquarium plants, snails, cas-
tles, globes, aquarium, fish goods, nets,
etc., wholesale. FRANKLIN BARRETT,
Breeder, 4815 D St., Olney, Philadelphia,
Pa. Large breeding pairs for sale. Send
for price list.

GREENHOUSE BUILDING MATERIAL

King Construction Co., N. Tonawanda, N. Y.
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King Channel Gutter.
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Iron Gutters.

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Plantlife Insecticide.
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Roman J. Irwin, New York City.
Nico Fume Liquid and Paper.
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IVY

English Ivy Rooted Cuttings, 75c. per 100,
post paid. From soil 20 to 30 in., \$3.00.
From pots 12 to 15 in., \$4.00. CHAS. FROST,
Kenilworth, N. J.

LEMON OIL

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NIKOTIANA

Aphine Mfg. Co., Madison, N. J.
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In writing to Advertisers kindly mention Horticulture

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Bobbink & Atkins, Rutherford, N. J.
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August Rolker & Sons, New York City.
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New England Nursery Co., Bedford, Mass.
Hardy Planting Stock.
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Choicest lawn shrubs, covering plants and border perennials. Large stock. Prices low. Any quantity. Send for list.

WYOMANOCK NURSERIES,
R. 7, Leavenworth Springs, N. Y.

American Forestry Co., Boston, Mass.
Trees and Evergreens.

NUT GROWING.

The Nut Grower, Waycross, Ga.
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PALMS, ETC.

Robert Craig Co., Philadelphia, Pa.
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August Rolker & Sons, New York City.
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PANSIES

225,000 large stock. Superior transplants. Field grown. Fine long Pansy plants. Henry Mette's strain—all salable stock. Satisfaction guaranteed. \$1.00 per 100; \$10.00 per 1000. Cash. Prompt shipping. BRILLIANT GARDENS, Kalamazoo, Mich.

PELARGONIUMS

R. Vincent, Jr., & Sons Co., White Marsh, Md.
Pelargonium Clorinda.
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PEONIES

Peonies. The world's greatest collection. 1200 sorts. Send for list. C. BETSCHER, Canal Dover, O.

PECKY CYPRESS BENCHES

A. T. Stearns Lumber Co., Boston, Mass.

PIPE AND FITTINGS

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Seeds' Thicket Plant Stakes and Trellises. H. D. SLIDE & SONS, Elkhart, Ind.

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Iron Tubs and Brass Hoop Jardinieres.
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A. N. Pierson, Inc., Cromwell, Conn.
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Rose Specialists.

THE CONARD & JONES COMPANY,
West Grove, Pa. Send for offers.

The best everblooming pink bedding rose Jonkheer J. L. Mock, strong 2-year-old bushes, 25¢ each; \$2.50 per doz.; \$20.00 per 100. Special prices on larger quantities. J. H. GOULD, Middleport, N. Y.

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R. Vincent, Jr. & Sons Co., White Marsh, Md.

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SEEDS

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S. D. Woodruff & Sons, New York.
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SKINNER IRRIGATION SYSTEM

Geo. N. Barrie, Brookline, Mass.
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SNAPDRAGONS

Thoroughly Tested Strains.

Silver Pink, Golden Fleece, Pure white (winter bloomer). Rooted cuttings, \$2.00 per 100; potted plants, 2-inch, \$4.00 per 100.

F. SOUTHWORTH,

36 Hudson St., Lynn, Mass.

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Live Sphagnum moss, orchid peat and orchid baskets always on hand. LAGER & HURRELL, Summit, N. J.

STOVE PLANTS

Orchids—Largest stock in the country—stove plants and Crotons, finest collection. JULIUS ROEHRS CO., Rutherford, N. J.

STRAWBERRY PLANTS

Strawberry Plants, twenty varieties, at \$2.50 per 1000. Catalogue free. BASIL PERRY, Georgetown, Delaware.

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SWEET PEA SEED

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S. Bryson Ayres Co.,
Sunnyslope, Independence, Mo.
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TRITOMAS

Tritoma Pfitzeri, strong crowns. Write
for prices. THOMAS J. OBERLIN, Sinking
Spring, Pa.

VEGETABLE PLANTS

Warren Shinn, Woodbury, N. J.
Asparagus Roots.

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WORKS, 264 Randolph St., Detroit, Mich.

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Washington

The S. S. Pennock-Meehan Co., 1216 H St.,
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THE NUT-GROWER

The unique monthly publica-
tion which furnishes reliable
and interesting up-to-date in-
formation regarding the value
of pecans and other edible nuts
and how to grow them for profit.

Subscription, \$1.00 per year

Sample Copy Free

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WAYCROSS, GA.

New Offers In This Issue**BEGONIAS.**

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IRRIGATION EQUIPMENT.

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**WHITE SILVER LEAVED GERA-
NIUMS WANTED.**

R. Brett, Islip, L. I., N. Y.
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WANTS, FOR SALE, ETC.

Advertisements in this column
one cent a word. Initials count
as words. Cash with order. All
correspondence addressed "Care
HORTICULTURE" should be sent
to 11 Hamilton Place, Boston.

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WANTED—Experienced man to manage
greenhouses and established florists' busi-
ness. Will rent houses or take partner.
Good opportunity for right man. Address
Box 1194, Southbridge, Mass.

SITUATIONS WANTED

SITUATION WANTED—As general man
on private estate; married, two children;
understands flowers, lawns, vegetables and
shrubs, also care of furnaces. Handy with
tools. Reference given. Address S. J., care
of HORTICULTURE.

GARDENER—Scotch, 40, understands
Flowers, Vegetables, Fruit and Glass; no
liquors or tobacco. If you would like your
place kept neat, and plenty of fruit and
flowers, try me. McLENNAN, 62 Wolcott
St., Malden, Mass.

SITUATION WANTED—As assistant gar-
dener. Experienced both inside and out.
Inside work preferred. Will furnish refer-
ences. Address M., care of HORTICUL-
TURE.

FOR SALE

FOR SALE—Fresh from factory, new;
10 x 12, 16 x 18, 16 x 24, double thick. A
and B qualities. Market dropped. Now is
the time to buy and save money. PAR-
SHELSKY BROS., INC., 215-217 Have-
meyer St., Brooklyn, N. Y.

In writing to Advertisers kindly mention Horticulture



BARRIE SOAP SPRAYER

The Indestructible Sprayer with NO MOVING PARTS

It will apply any soap base insecticide, and will reduce the labor and cost of spraying in any greenhouse or garden **FULLY SIXTY PER CENT.** It offers absolute control of aphids, beetle, spider and plant lice of all kinds, and is of great benefit with thrips and scale.

Made of Brass, Nickle-Plated, Lasts Forever

PRICE, THREE DOLLARS --- Send for Circular

(Seed Houses should Write for Discount.)

GEORGE N. BARRIE, - Brookline, Mass.

Easter Market Reports

this resourceful operator the loss to growers and dealers on plants and flowers would have been much larger than it was.

There was more than enough of practically everything in the entire list of flowers, even if the weather had been ideal for transient trade, and also no end to the variety of things forced into bloom for the Easter buyer—even to sunflowers, lupines and larkspurs. On carnations there was just a suggestion of short supply Saturday morning but, as one wholesaler expressed it—"All we have to do is to put the price up a cent and they'll then stand still." American Beauty roses of the higher grades were unsaleable. Cattleya Schroederiae was in the same straits. There were many more lilies than could be disposed of and these, in plant form or cut, crowded most of the florists' windows on the Monday following. All the stores wholesale and retail, kept open through Saturday night. Towards morning and through Sunday forenoon when it became evident that Sunday was to be an ideal day, there was more or less activity especially on flowers for street wear. For this purpose violets, lily of the valley, gardenias, orchids and roses seemed to be most popular, in the order named. Very few sweet peas and no carnations whatever were seen on the fashionable Easter parade on Fifth avenue on Sunday afternoon.

The most abundant plant was the azalea. Among the most popular was the Tausendschoen rose. Large plants were the exception in all lines and the large baskets of mixed plants so much in vogue in other years in the more pretentious stores were conspicuously absent. Retrenchment and moderate display were on all sides, the manifestation of the wave of economy which the exigencies of this relentless season has forced upon all classes.

Easter week of

PHILADELPHIA 1915 in this city was all right until the blizzard struck us on Easter

Saturday. If it had not been for that, cut flowers would have cleaned up in good shape. As it was, a good many were left unsold, and that makes a big difference on the average for the week's returns. Prices this year were very reasonable on all lines, there being but a very moderate advance over regular rates. The growers and their representatives—the commission men—had evidently adjusted the balance between supply and demand with excellent judgment, so that they neither overshot nor undershot the mark. Supplies were large on almost everything and as a rule the quality was never better. Cattleyas were about the only scarce item on the list, especially the dark shades. A few choice dark cattleyas brought as high as a dollar each, although six to nine dollars a dozen was about the regular market. American Beauty roses were in fine form and popular, but as the supply was large prices ruled moderate. And such Shawyers! Never have we had such perfection in this one before at this date. The Hadley was also very fine indeed—color, form, fragrance, all perfect. A glorified Gen. Jacqueminot it truly is in color, but that is the only comparison. Some of the Killarneys were a little pale, but as a rule they held their own very well. Carnations good and lower in price than usual. The idea seemed to be to sell clean, and not to crowd the price to the limit. The bulk of the sweet pea crop was of medium grade and sold very well. Violets were in better demand than expected, and the supply being curtailed from previous experience, better prices were obtained. There were a good many cut Easter lilies left over and more coming.

PITTSBURGH

The Easter season here was successful far beyond anticipation, and if the comparative Christmas and Easter sales have any significance as to general conditions, the three months intervening show a decided improvement in trade. The same strain of optimism is noticeable in the fashionable shops and in the market house stands, which are a big

factor in supplying the flower lovers of Pittsburgh.

ST. LOUIS The Easter business with the St. Louis florists was as good as any

Easter and in some respects even better. This is taken from the various reports from the leading retailers in all parts of the city, who say that the plant trade grows heavier each year. On an inspection trip throughout the West End, one could see the great preparations made along this line. Easter lilies, which were reported short in supply, ten days ago were much in evidence at all stores and seemed to have the call over other plants. These were followed in demand by azaleas, hydrangeas, rhododendrons, crimson ramblers, spiraeas, Dutch hyacinths and tulips. All these seem to have had an excellent demand. As to cut flowers, the sale was as great as in any year, with bulbous stock in great favor. Violets and sweet peas sold well at all times, but roses and carnations did not have the call of other cut flowers. Easter demand at the wholesale markets was very brisk on Friday and Saturday, and between the five wholesale houses they had an immense stock. The local retail trade bought heavily this year, as prices were reasonable and quality extra good. Roses were in quite heavy and cleaned up well. Snapdragons and daisies sold well and all of this stock was of high quality. Taking all the reports of the Easter business, it must have been a good Easter for growers, wholesalers and retailers all together.

WASHINGTON Local florists enjoyed what was perhaps the most

successful Easter business in recent years regardless of the fact that an enormous quantity of stock, particularly of potted plants, was left over after the rush had been taken care of, although the miniature blizzard made deliveries very difficult. The stores in the uptown sections did exceptionally well and this is accounted for on the ground that the snowstorm prevented the people to a large extent from going into the shopping district to make

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Dear Sirs: After trying Thrip Juice No. 2 for two seasons, I can say it is the best article I ever used for thrip on roses or carnations, also for white fly. The latter was the worst pest we had to contend with, but after three applications, about four (4) days apart, we were practically free from it. I find it is advisable to apply in the evening, and with a good, strong force pump, proportion one to forty.

(Signed) T. J. OPPERMAN, Florist,
Camp Hill, Pa.

January 14, 1915.



NIKOTEEN For Spraying
APHIS PUNK For Fumigating
ASK YOUR DEALER FOR IT.
NICOTINE MFG. CO. ST. LOUIS, MO.

purchases. There was plenty of everything with the possible exception of single violets, the place of which was taken by the Rhinebeck variety, and orchids. There was little demand for the latter and their absence from the market was hardly noticed. Nor was there an over supply of choice roses and the crops of many of the nearby growers will not mature for a week or more. There was the usual advance in prices, although there were plenty of flowers of the cheaper grades for those who wanted cheap goods. Another feature of the year, much commented on by the store keepers, was the very few street vendors, for the storm made it impossible for them to do business and HORTICULTURE's correspondent saw but two or three where had it had been a fair day there would have been probably several hundred.

BUSINESS TROUBLES.

Rosomville, N. Y.—J. C. Rogers & Sons, assets, \$4,971; liabilities, \$10,-959.52.

Harry A. Bates, florist clerk, South Hadley, Mass., is a petitioner in bankruptcy. He owes \$1,443 and has no assets.

Syracuse, N. Y.—The Pierce-Christian Company, Inc., the E. Fayette street floral shop, has filed a petition in bankruptcy in United States Court, with debts of \$6,205 and assets of \$3,766.

New Bedford, Mass.—Wm. P. Peirce, florist, liabilities \$6,857; assets \$500. Largest creditors: Abner P. Pope, \$1,000; New Bedford Five Cent Savings Bank \$1,200, both of New Bedford, secured; H. M. Robinson & Co., Boston, \$727; H. L. Donaghy, New Bedford, \$434; Peckham Floral Co., Fairhaven, \$383; B. A. Snyder, Boston, \$803; C. A. Bonney, New Bedford, \$675; Jos. V. Peirce, New Bedford, \$356, unsecured.

Rutherford, N. J.—The Easter display at Julius Roehrs Co.'s houses was opened to the public for a small admission fee on Saturday, one week before Easter, under the auspices of the hospital committee of the Rutherford Town Improvement Association. The sum of \$111 was realized and will be devoted to hospital use.

Kennett Square, Pa.—Guiseppe & Bellina have purchased Walter M. Yeatman's greenhouse and mushroom plant.

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Guaranteed under the Insecticide Act, 1910. Series No. 321

Save your plants and trees. Just the thing for Greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrip, Red Spider, Black and Green Fly, Mites, Ants, Insects on Rose-bushes, Carnations, etc., without injury to plants and without odor. Used according to directions our standard Insecticide will prevent ravages on your crops by insects.

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Effective where others fail.

½ Pint...25c; Pint...40c; Quart...75c
½ Gal., \$1.25; Gal., \$2.00; 5 Gal. Can., \$9
10 Gal. Can., \$17.50

Dilute with water 30 to 50 parts.

For Sale by Seedsmen and Florists' Supply Houses
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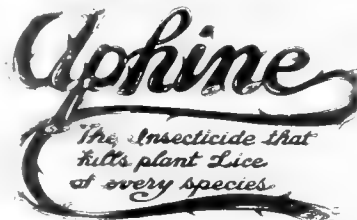
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Yours truly,

R. W. S.



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Seedsmen
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typical college town of more than two thousand people, and not a flower or plant is grown for miles around. Opportunities like this are soon to be sought for by florists from eastern sections, fast becoming over-supplied, and greenhouse manufacturing concerns that are contemplating the establishment of offices through the middle west are not making a mistake.

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Ottawa, Ill.—Lohr Bros., one house.
Montreal, W., Can.—R. Scott, enlarging.

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Furnished in lengths up to 500 ft. without seam or joint.

The HOSE for the FLORIST

1/2-inch, per ft., 15 c.

Reel of 500 ft., " 14 1/2 c.

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2000 1 1/4 in. @ \$6.00

1500 2 " " 4.88

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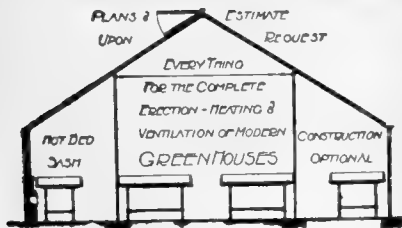
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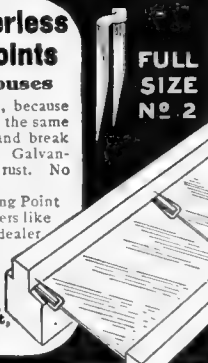
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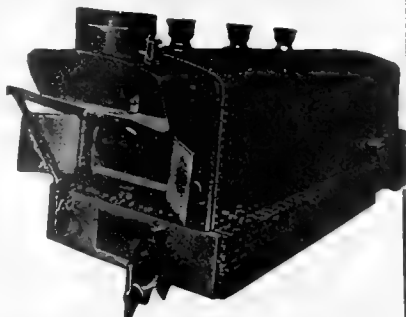
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Richmond, Ind.



A Repeat Ad.

And Why We Repeat It

A week or so ago, we published an Ad. entitled "Our Service—How and Why It Wins."

Some of you were so busy with your Easter work that you hadn't time to read it.

It tells so many vitally important things about the way our free Service helps your bank account, that we are repeating the Ad. for your benefit.

Here it is, word for word, just as published.

WHEN you go to a store and ask for exactly what you want, and get it: *that's buying.*

When a man comes to you to buy some one thing, and because of your good salesmanship, he goes away with several other things besides, *that's selling.*

Suppose, however, you want to build a greenhouse and ask us to give you a figure. Instead of simply giving you a price, suppose that we look carefully into your proposition and, because of our good half a century's experience in building, are able to suggest changes that not only will be of great advantage now, but vitally affect the greater success of your proposed future houses. Suppose we find that the soil conditions in your chosen location are not right, and suggest one on your ground that is. Suppose we dissuade you from building a 55-foot house, and show you the economies of one 72 feet wide. Suppose we prove to you that your proposed bench arrangement will not give you the greatest returns from your house, and show you one that will. Suppose we point out defects in the heating you had planned to use, and show you one that will save you many tons of

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Is it buying?

Is it selling?

No, it's *service*, with some buying and some selling mixed in.

But it's mostly *service*.

This *service* is of great value to you. It's really expert advice. And you know expert advice generally comes high.

But for this service of ours we make no charge. It is yours for the asking.

It's part of the full measure and running over value you get when you deal with us.

It's based on a longer experience than that of any other builder, and on the building and equipping of hundreds and hundreds of houses. If you are ready to talk building and want to take advantage of our *service* say when and where and we'll be there.

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Vol. XXI
No. 14
APRIL 17
1915

HORTICULTURE



A Formal Garden at South Braintree, Mass.

Published Every Saturday at 147 Summer Street, Boston, Mass.
Subscription, \$1.00.

IF YOU ARE LOOKING FOR HARDY PERENNIALS

"Get them at Dreer's"

We offer here only a few of the most important recent introductions. For a complete list of new varieties as well as all the good old sorts worth planting, see DREER'S GARDEN BOOK and our current WHOLESALE PRICE LIST

THE NEW ANCHUSAS.

The Improved Varieties of Italian Alkanet or Bugloss.

These wonderfully improved Anchusas have proven most valuable additions to our list of blue flowering hardy perennials and particularly so as they flower from May to July, a time when this color is very sparingly represented in the hardy border.

The habit of the plants while strong and vigorous is not at all coarse, they form very branched specimens from 3 to 5 feet high, each branch of which is terminated by a large, graceful pyramidal spike of blue flow.

Dropmore Variety. Rich

gentian-blue.

Opal. A splendid lustrous

light blue.

\$1.50 per doz.; \$10 per 100.

THREE CHOICE ANEMONE JAPONICA.

Allee. Large semi-double, silvery-rose suffused with

scarlet.

Kriemhilde. Nearly four

inches in diameter, semi-

double rose-pink.

Loreley. Cup-shaped

flowers, three inches in

diameter, light mauve-

pink.

\$1.50 per doz.; \$12 per 100.

ARTEMESIA LACTIFLORA.

An introduction from China and a most effective flowering plant, growing 3½ to 4 ft. high, with large panicles of Hawthorn scented, creamy-white Spiraea-like light and graceful flowers during August and September.

\$1.50 per doz.; \$10 per 100.

ASTILBE ARENDSI.

This new type is of very vigorous growth, producing many-branched feathery heads of flowers. 2½ to 3 feet high.

Ceres. Delicate, light rose

with silvery sheen.

June. Strong upright

plumes of deep violet

rose.

Salmon Queen. Beautiful

salmon pink.

Venus. Deep violet rose.

Vesta. Light lilac rose.

White Pearl. Dense pyramidal

plumes of silvery

white.

30 cts. each; \$3.00 per doz.

Choicest Mixed Varieties

of above, \$2.00 per doz;

\$15.00 per 100.

NEW HARDY ASTER NOVI BELGII CLIMAX.

Novi Belgii Climax. One of the most important additions to the Michauxias Division and we believe the forerunner of a new type. The plant is of strong, vigorous habit of growth, over 5 feet high; fully one-half of this consists of much branched pyramidal shaped flower stems which are filled with lively light lavender-blue flowers fully 1½ inches in diameter. The plant is in flower from the latter part of August to the middle of October. 35 cts. each; \$3.50 per doz.; \$25.00 per 100.

THREE IMPORTANT DELPHINIUMS.

King of Delphiniums. One of the most distinct yet introduced; the plant is of remarkably strong growth, with flowers of gigantic size, semi-double and of a deep blue color, with large white eye. 25 cts. each; \$2.50 per doz.

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Rev. E. Lascelles (new). One of the finest varieties yet introduced. Plant very strong, grows six feet high. Flowers very double of a deep purple-blue, with clear white centre and of greatest size. \$1.00 each.

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Paniculata Flore Plena. This double flowering Gypsophila is among the most important hardy plants for cutting purposes.

We guarantee our stock, every plant to be the true double form. Seedlings are sometimes offered very cheap, but only a very small percentage come double. Our plants are all either grafted or grown from cuttings. Strong flowering plants \$2.00 per doz.; \$15.00 per 100.

NEW HEMEROCALIS QUEEN OF MAY.

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NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil."—*P. p.*

Chrysanthemums

Chrysanthemums being grown for exhibition purposes must not be knocked around as some stock is allowed to do. They will want shifting along before they become too pot-bound. There is no better place for them at the present time than a cold frame, for here they can have plenty of ventilation. Make it a point to give them a syringing every bright morning and watch the pots that they do not dry out too much. Keep them clean of fly by either sprayings of some good insecticide or weekly fumigation. At all their shifts see that they have a rich compost using as a foundation sod that was cut last fall and piled up with about one-third well rotted cow manure added.

Ericas

Those that are unsold and past their bloom should be cut in just enough to give them a good shape. Ericas that are perfectly healthy can go into a pot one size larger, while specimens that look sickly will be improved and frequently restored to vigor by repotting into a pot of the same size as the one previously occupied. Now is the time to start in order to have well-balanced plants for next year. The soil for potting should be fibrous peat and loam with about one-third of silver sand. All heaths like plenty of drainage. The ball of earth should be loosened with a piece of pointed wood, and the outer soil shaken off. Should the inner part of the ball be dry, which is very often found to be the case, they should be dipped for some time into a tub before repotting. In potting care should be taken to set them a little too high rather than too deep. Be sure that the soil is well firmed around their roots. When it is time for them to be placed outside they will be benefited by the shifting shade of some large trees during the hottest hours of the day. The pots should be sunk to their rims into some loose material such as hay or leaves, anything that will allow the air to pass through.

Nephrolepis

A spare bench can be put to good use by planting with some of the varieties of nephrolepis. These ferns are not fastidious as to soil. If some of the carnations are not doing well put them out and replace with a planting of these ferns. Give the soil a coat of well decayed manure and if it is heavy add a little sand. Give water around the ball at first and as the roots begin to run you can give the whole surface a watering. Pay attention to syringing during all bright days. They

will need some shade, but only enough to keep them in good color as too heavy a shade tends to make their growth soft and straggly. Temperature should be held at about 60 degrees during the night.

Ramblers for Next Easter

We can start now with dormant plants from the field. It is all in the first six weeks' management. Cut them down very low and place in a cool house or pit for the first two weeks. In two weeks they will have broken at many eyes. Rub off all but five or six breaks or growths. Place in a house at about 50 degrees at night. They should be given careful watering with frequent spraying and in a short time they will make numerous shoots which should be reduced to four or five to a plant. The next three weeks is the critical time. Don't take them from the pit or warm house and slam them into a cool draughty house, especially near an open door. Give them ten degrees higher temperature, full light and frequent syringing or light spraying. When the young growths are two or three inches long rub off the weakest for these canes are all you want to make the best furnished plant. As they grow keep them tied up to stakes until July, when they can be plunged outside to help ripen up the wood.

Time to Propagate

As the season advances there will be more sun heat, with the temperature of the houses higher, and less fire heat, with the sand of the propagating bed cooler. This is the reverse of favorable conditions for propagating nearly all soft-wooded plants. Those who wisely managed their propagation already have the main part of this work done. There is ample time yet for the growing of good plants of most varieties of that class that may enter into the spring trade. They must have more shading from this out and a greater amount of water to keep the sand moist, and they should have a couple of sprayings overhead every day. When they begin to make roots gradually reduce the shading. Do not leave them too long in the sand when rooted, but pot off just as soon as well rooted.

Stock in Frames

All kinds of stock now in frames will need plenty of attention from this out. See that they have ventilation in the morning before they become warm and shut down early enough in the afternoon so as to keep warm enough during the night. Attend carefully to watering. On warm days the sashes can be removed altogether.

Next Week: Cattleys; Cibotium Schledel; Gloxinias; Propagating Crotons; Plants for Vases, etc.; Shading.

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The storm's aftermath

The storm of Easter Saturday, which broke in so ferociously on the prosperity of the florist trade of the eastern section of the country and shattered the hopes for a record breaking Easter, left behind it a trail of trouble for the entire week following the disaster. All classes of flower dealers suffered to a greater or less extent but those that were hit the hardest were the itinerant dealers who had ensconced themselves in every available empty store or vacant space and stocked up heavily from the abundant supply of bulbous material, azaleas, etc., which existed on all sides. These people got an awful blow wherever they had paid for the goods. Where they had not paid the grower has to take most of the punishment in all probability. But the greatest handicap to the general business of the week following Easter was the enormous stock of plants and flowers left on the hands of the retailers and the wholesalers, which blocked the way for the fresh product, a condition which has reacted disastrously on the growers and slaughtered market prices for everything. Special sac-

rific sales of left over Easter plants have been held in many places during the week.

A safe business

While there are yet remaining a few of the best business weeks of the season, so called, the time has so far progressed that most of us can now make a fairly good estimate of the 1914-15 season as to whether we have found it a profitable one, as to how it compares with previous years, and what new outlay or investment its results would seem to justify for the immediate future. While there are undoubtedly some of our readers who have enjoyed an increase in the amount of their business over that of last year and who are well satisfied with conditions as they have met them, yet in the case of many others the reverse is true. The question is an all-important one, especially for those who have made large investments in greenhouse property in the anticipation of immediate returns, equal to those of previous seasons on a similar outlay, and it will be answered variously as to how much of future enlargement the results in each case now seem to warrant. Yet every one must agree that the floricultural industries have suffered much less than might reasonably have been feared in a year so tempest-tossed commercially as the one we have been passing through. Again, we believe it will be further admitted that these industries, when carried on progressively and in accordance with modern business thoroughness, have yet a long way to go before they have reached the danger line of risky investment. Few avocations, indeed, hold out more reasonable assurance of a fair return for capital and industry than those concerned with the cultivation of plants and flowers.

The advancement of the rose

When one attempts to count up the list of new forcing roses which are to be found in greater or less quantities in the wholesale cut flower markets at the present time the number proves to be astonishingly large and brings home forcibly and impressively the remarkable progress now being made in this branch of commercial floriculture. There were many years during which the same roses—about half a dozen all told—held the floor invariably year in and year out, while in the meantime the carnationists were industriously focusing public attention on a constant succession of new carnation varieties. Interest in the rose was at a low ebb and there was very meagre encouragement to anyone to make the effort to work up something better than the old staples in the rose line. Now we have in the running in addition to a lengthy list of well established favorites, such sterling new sorts as Mrs. Russell, Prince d' Arenberg, Hadley, Francis Scott Key, Mrs. Storey, Ophelia, Jonckeer Mock, Lady Stanley, Radiance, as well as others of local repute in various places, while in the way of wide variation we have the little sparklers of the Mignon, Elgar and Fire Flame type opening up a new and promising field for enterprise. At the April meeting of the Horticultural Club of Boston, E. H. Wilson entertained and instructed the members and guests with the story of the rose as it was in its beginnings—the originals from which, through various evolutions from remote antiquity, the rose as we know it to day had its development. It was one of the most remarkable discourses on the subject of the rose ever delivered in this country. It served not only to excite wonder over the past but some faint realization of the possibilities of the future, especially when attention was called to the fact that of the many beautiful native American roses, but one had yet been made use of by the hybridist.

Obituary

Mrs. G. W. Starrett.

Geo. W. Starrett, pioneer seedsman of Walla Walla, Wash., has the sympathy of the trade on account of the death of his wife on March 29.

John Niquet.

John Niquet, Patchogue, L. I., son of Frank Niquet, died on Tuesday, April 13, of pneumonia. Mr. Niquet, at the time of his death, was manager of the flower department of C. C. Trepel at Gimbel Bros.

Edward Eisenberg.

Pneumonia is almost an epidemic in New York at present. Edward Eisenberg, age 24, son of I. H. Eisenberg, Astoria, N. Y., died on Saturday, April 11, of pneumonia. Ill only three days.

Grace Worn.

Miss Grace Worn, of the Misses Worn, residing in San Anselmo, Marin County, Cal., who for many years have been doing decorative work in the San Francisco Bay district, died on April 2, following an illness of several months.

James J. Maloney

James J. Maloney, a well known landscape gardener of Auburndale, Mass., died on April 5. At the funeral in West Newton, on Thursday, April 8, the church was filled with mourners and the floral tributes were many and beautiful.

Simon Rodh.

Simon Rodh, who for many years had been at 40 West 28th street, New York, in the ribbon business, died on Friday, April 10, age 64. Buried on Sunday at Cypress Hills Cemetery. Mr. Rodh was a member of the New York Florists' Club. Ill three days with pneumonia.

Alexander Haig.

Alexander Haig, aged 35 years, son of John and the late Mary Haig passed away at the residence of his father, 1511 N. Clarion St., Phila., April 8. Mr. Haig was a respected and trusted employee of the Pennock-Meehan Co., off and on, for the past twelve years; previous to which he was with Charles Fox. He had been in poor health for some years back, but continued at work up to about two weeks ago. Charles E. Meehan of the firm in speaking of him voiced the sentiment of all his associates when he said—"Alek was a good boy and stuck right on his job whether he was sick or well. He was kind, considerate and obliging and nothing was too much trouble for him. He will be much missed and long remembered."

Mrs. John B. Nugent.

On Saturday night, April 10, after a week of intense suffering, from pneumonia, Sabery Dorsell Nugent wife of John B. Nugent, of New York City

passed away. The sympathy of everyone in the florist trade, wherever Mr. Nugent and his beautiful wife are known, is extended him in this great bereavement.

Mrs. Nugent was universally beloved. Her friends were innumerable. Especially was she esteemed by the members of the New York Florist Club, of which her husband was president in 1911. She was a lady of rare attainments, her musical ability giving her a national reputation. There was no limit to the generous use of her talents in behalf of others. The sunlight of her smile was a perpetual delight in her home, and wherever she was known. For years her wonderful voice was heard at the Florists' Club's banquets, and its memory will ever remain an inspiration to those who heard it. As a public singer her career was at its zenith. She had just completed a contract to sing in opera at Washington when stricken. Hope for her recovery was felt up to the end. Mrs. Nugent was 33 years of age.

Funeral services were held at 10.30 on Tuesday morning at the Broadway Tabernacle, 56th street and Broadway. The floral offerings from Mr. Nugent's



MRS. JOHN B. NUGENT.

many friends were innumerable. Nearly every florist of note in the city manifested by his presence at the funeral the high esteem felt for the departed. Interment was at Woodlawn.

W. S. Sisson.

Mr. Winfield Scott Sisson, treasurer of the Broadway Hardware Company and a well known grower of dahlias, died at his home on Bliss Road, Newport, R. I., Friday afternoon. Stricken with apoplexy Friday morning, he died in the afternoon, without recovering consciousness. Mr. Sisson was born in 1862 in Portsmouth. For a number of years as a young man he was engaged in farming on Union street, Portsmouth, but more recently was connected with the George A. Weaver Company, and on the organization by the employees of that establishment of the Broadway Hardware Company was made treasurer. He devoted much time to the growing of dahlias and other flowers and in connection with

Parker Thurston was a frequent and successful exhibitor of dahlias in the flower shows of Newport and Providence where their entries won many prizes. He was for many years a member of the Newport Horticultural Society. Mr. Sisson was a man of quiet tastes and pleasant disposition and had many friends in the community. His love of flowers led him to grow them for the sake of their variety and beauty and made him a valuable member of the Horticultural Society, where his advice, always unostentatiously given was held in high esteem.

CLEVELAND FLOWER SHOW.

The preliminary premium list for this coming fall exhibition in conjunction with the annual exhibition of the Chrysanthemum Society of America has been published and copies may be obtained on application to Frank A. Friedley, secretary, 356 Leader Bldg., Cleveland, Ohio. This show will be under the auspices of the Ohio Horticultural Society, Cleveland Florists' Club and Cleveland Garden Club. Cash prizes of between \$3000 and \$4000 are offered besides numerous medals, cups and certificates and many special premiums are to be added when the final list is made up. All classes of flowers and plants are provided for.

The Cleveland Flower Show Committee is constituted as follows:

H. P. KNOBLE, General Chairman.
Publicity—George Bate, Chairman, H. B. Jones, F. Ritzenthaler, T. J. Kirchner, Chas. L. Gibson.
Trade Display—H. P. Merriek, Chairman, R. E. Koch, Victor H. Morgan, E. B. George, Painesville, O.
Exhibition and Hall—Frank A. Friedley, Chairman, Herbert Bate, L. Utzinger, Carl Hagenberger, Mentor, O.
Entertainment—G. W. Smith, Chairman, S. N. Pentecost, C. J. Graham, F. C. Witthuhn, Alfred Wright.
Decorations—F. C. W. Brown, Chairman, G. B. Shearer, Walter Priest, C. A. Meyers, T. J. Kirchner.
Premiums—Herbert Bate, Chairman, J. Curnow, Akron, O., Frank A. Friedley.
Non-Commercial—F. E. Carr, Chairman, Albert Wright, J. Curnow, Akron, O., Robert Weeks.
Retail Displays—C. E. Russell, Chairman, Frank Ritzenthaler, C. M. Wagner.
Admission—Timothy Smith, Chairman, A. B. Barber, Chas. F. Bastien, W. A. Bramley, W. A. Calhoun, F. W. Grillin, Albert Lingren, F. R. Williams.

A FORMAL GARDEN AT SOUTH BRAINTREE, MASS.

Our cover illustration this week depicts a garden of formal design on the estate of Ellis Hollingsworth, South Braintree, Mass. This estate comprises between three and four hundred acres, woodland largely. The highly cultivated portion about the residence covers about ten acres, of which the garden here shown is the central feature. The material used is principally hardy perennials, with American arbovitae and buxus placed at regular intervals and the borders filled in with brilliant flowering annuals from seed, for spring and fall display especially. The pergola is garlanded with wisterias and rambler roses. The conservatory, which is partially shown in the picture, is of Lord & Burnham construction, 18x200 ft. A. Carlson has been in charge of this place for the past ten years and he has made it the leading show place of the Braintree section.

CLUBS AND SOCIETIES

NEW YORK FLORISTS' CLUB.

The meeting of the New York Florists' Club was held on Monday, April 12, but was not so fully attended as the previous meetings have been and the exhibits at the meeting were not as extensive as formerly. John Birnie has promised to make an exhibit of spring stock and bedding plants at the next meeting to be held in May, on the same lines as conducted by his father, the late John Birnie. Chairman Charles Schenck rendered his report of the banquet committee, showing a deficit of \$172.86, which was ordered paid. F. W. Armitage, chairman of the outing committee "reported progress." Chairman Weathered of the committee in charge of the booth at the Flower Show, reported that the appropriation of \$200 had been used up for the purpose for which the appropriation was made. Mr. Traendly gave a preliminary report of the recent flower show showing receipts and disbursements up to date. After the final settlement is made, it is expected that \$5,000 will be divided equally between the Horticultural Society of New York and the New York Florists' Club. The president was instructed to appoint a committee of seven to confer with the Horticultural Society of New York regarding the holding of another show in 1916, this committee being vested with power to act. Chairman De Forest of the transportation committee reported that sixteen had already signified their intentions of going to the convention in San Francisco and upon motion, following out their recommendation, the club endorsed their routes selected;—The New York Central to Chicago and the Canadian-Pacific from Chicago to San Francisco. George W. Cobb, Greenlawn, L. I.; Wm. F. Leary, New Rochelle, N. Y.; Samuel A. Woodrow, 39 W. 28th street, New York City; Louis T. Rodman, 43 Conway street, Brooklyn, N. Y., and Peter Wenk of Ozone Park, N. Y., were elected members of the club and there were five names proposed for membership. A letter from W. H. Siebrecht, Jr., Secretary of the New York and New Jersey Plant Growers' Association, was read urging all florists purchasing bulbs in Europe to buy them f. o. b. New York. This communication was turned over to the legislative committee.

J. Austin Shaw, Alexander J. Guttman, and Frank M. Duggan were appointed a committee to prepare suitable resolutions on the death of Mrs. J. B. Nugent. W. F. Sheridan, John Donaldson and Julius Chevalley were appointed a committee to prepare resolutions on the death of Frank Niquet's son. J. H. Pepper, Emil Schloss and Charles Schenck to prepare resolutions on the death of Simon Rodh. J. Austin Shaw, W. F. Sheridan and A. T. Bunvard a committee to prepare resolutions on the death of the daughter of J. J. Gunther, who died a couple of weeks ago.

The lecture by Robert Pyle of West Grove, Pa., on Roses at Home and Abroad was a splendid effort enjoyed

to the limit. Lumiere lantern slides added to the interest.

The committee on awards made the following report:

Lager & Hurrell, Summit, N. J. Collection of cut orchids in variety, among them quite a number of rarities such as *Odontioda Bradshawiae*, *Odon. Loiseae* and *Odon. ardentissimum*. Award highly commended.

Louis Strauss, Brooklyn, N. Y. *Androbium thyrsiflorum*. Extra well flowered plant. Award cultural certificate.

Geo. Schlegel, gard. S. G. Milosy, Bay Ridge, N. Y. *Oncidium ampliatum majus*. Fine well-flowered plant. Award cultural certificate.

W. A. Manda, Inc., So. Orange, N. J. *Brasso-Cattleya* and *Laelio-Cattleya* hybrids. Award certificate of merit.

Herman Mamitsch, Englewood, N. J. Orchid-flowering sweet peas, Yates Yarrowa, Yates Concord hybrids. Award vote of thanks.

At the May meeting, Monday, May 10, E. H. Wilson, of the Arnold Arboretum will give an illustrated talk on the Gardens and Flora of Japan.

FIELD MEETINGS AT THE ARNOLD ARBORETUM.

Under the management of the Committee on Gardens of the Massachusetts Horticultural Society a series of outdoor meetings will be held at the Arnold Arboretum, Jamaica Plain, Mass., beginning Thursday, April 22, at 3 o'clock p. m., and continuing every Thursday at the same hour until July 1, if the interest warrants. John G. Jack, of the Arboretum staff, will conduct the party, giving information on the various trees and shrubs as they come into their flowering season, and answering questions that may be asked concerning the plants under observation.

The meetings are intended for the members of the society exclusively, with their personal friends, and will occupy about two hours. Should any Thursday prove decidedly stormy the meeting will be postponed until the next day (Friday).

The assembly place will be at the Forest Hills entrance to the Arboretum, about five minutes' walk from Forest Hills Station, reached by elevated, subway, or surface cars, and the meetings will furnish a rare opportunity to become familiar with the plant treasures of this great collection.

GARDENERS' & FLORISTS' CLUB OF BOSTON.

The next regular monthly meeting of the club will be held at Horticultural Hall, Boston, on Tuesday evening, April 20, 1915, at 8 o'clock. H. Howard Pepper of the Industrial Trust Co., Providence, R. I., will speak on "Tales of a Teller," and "Some Facts Every Florist Should Know About Banking," illustrated by forms in every day use in a large bank. This lecture should be found valuable. The exhibition tables will contain a splendid display of roses, orchids, bulbous flowers, hydrangeas and sweet peas, which should interest every member.

W. N. CRAIG, Sec'y.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Special prizes offered for the annual exhibition of the Chrysanthemum Society of America to be held in conjunction with the Cleveland Florists' Club and the Ohio Horticultural Society, at Cleveland, Ohio, November 10-14, 1915:

No. 1. Chrysanthemum Society of America silver cup for the best ten blooms chrysanthemum one variety on long stems. Offered by the Chrysanthemum Society of America.

No. 2. Henry A. Dreer's prize for the best ten blooms, one variety, introductions 1914 and 1915—\$10.00. Offered by Henry A. Dreer, Philadelphia.

No. 3. E. G. Hill Co. prizes for twelve blooms Chrysanthemum White Chieftain on long stems—\$15.00, \$10.00. Offered by The E. G. Hill Co., Richmond, Ind.

No. 4. Wells and Totty prizes for three blooms Chrysanthemum A. S. Baldwin—1st gold, 2nd silver, 3rd bronze medals. Offered by Wm. Wells, England, and Chas. H. Totty, Madison, N. J.

No. 5. H. E. Converse's prize for the best ten blooms Chrysanthemum H. E. Converse, silver cup—value \$25.00. Offered by H. E. Converse, Marion, Mass.

No. 6. Lord & Burnham Co.'s prize (open to private gardeners and park or cemetery superintendents only) for the best six vases chrysanthemums—six varieties, three blooms of each on long stems; gold medal. Offered by Lord & Burnham Co., New York.

No. 7. President Kleinheinz's prize for the best ten blooms; silver cup—value \$25.00. Offered by Wm. Kleinheinz, president C. S. A.

No. 8. National Association of Gardeners' prize (open to the members of the National Association of Gardeners only) for the best six blooms, six varieties, shown on long stems in one vase—silver medal. Offered by the National Association of Gardeners.

A. N. Pierson, Inc., Prizes: No. 9. For the best twenty sprays of any pink single chrysanthemum—\$5.00. No. 10. Twenty sprays any single white—\$5.00. No. 11. Twenty sprays any pink pompon—\$5.00. No. 12. Twenty sprays any yellow pompon—\$5.00. No. 13. Twenty sprays any white pompon—\$5.00. Offered by A. N. Pierson, Inc., Cromwell, Conn.

No. 14. Elmer D. Smith & Co.'s prizes for ten-blooms Kewanee—1st, \$10.00, 2nd, \$5.00. Open to private gardeners only. Offered by Elmer D. Smith & Co., Adrian, Mich.

No. 15. H. F. Michell Co.'s prizes for twelve chrysanthemums, twelve varieties, one flower each, short stems. First, \$15.00, 2nd, \$10.00. Offered by Henry F. Michell Co., Philadelphia.

No. 16. Hitchings & Co.'s prize, sweepstake for the most meritorious chrysanthemum exhibit, silver cup. Offered by Hitchings & Co., Elizabeth, N. J.

No. 17. Vaughan's Seed Store prizes—open to private gardeners only. Silver medal for the best collection cut flowers of single chrysanthemums—

not less than twelve varieties, six sprays to a vase. No. 18. Silver drinking cup, value \$15.00, for best twelve pot-grown chrysanthemums in variety, bush form, grown in 6-inch pots. Offered by Vaughan's Seed Store, Chicago and New York.

No. 19. S. A. F. & O. H. medals, for six blooms seedling chrysanthemums, of American origin, not exhibited previous to 1915. 1st, silver medal; 2nd, bronze medal. Must score not less than 88 points for silver medal and not less than 86 points for bronze medal. Offered by the Society of American Florists and Ornamental Horticulturists. CHAS. W. JOHNSON, Sec.

Special prizes offered for the seasonal Chrysanthemum Show to be held under the auspices of the Chrysanthemum Society of America in conjunction with the Pacific Coast Horticultural Society and the Department of Horticulture of the Panama-Pacific International Exposition at the Palace of Horticulture, Exposition Grounds, San Francisco, Cal.

No. 1. Chrysanthemum Society of America prize, for the best ten blooms, one variety on long stems—silver cup—value \$25.00. Prize donated by the Chrysanthemum Society of America.

No. 2. Hitchings & Co. prize for the best six vases of six varieties, three blooms of each on long stems—silver cup. Prize donated by Hitchings & Co., New York.

No. 3. Wells-Totty prizes for three blooms of Earl Kitchener, 1st gold, 2nd silver, 3rd bronze medals. Prizes donated by Wm. Wells, England, and Chas. H. Totty, Madison, N. J.

No. 4. Henry A. Dreer prizes for six blooms any white chrysanthemum, one variety on long stems—1st \$6.00, 2nd \$4.00. Prize donated by Henry A. Dreer, Philadelphia, Pa.

No. 5. A. N. Pierson, Inc., prizes for six blooms any pink chrysanthemum—one variety on long stems—1st \$6.00, 2nd \$4.00. Prize donated by A. N. Pierson, Inc., Cromwell, Conn.

No. 6. Elmer D. Smith & Co.'s prizes for the best six blooms—two white, two yellow, two pink, staged in separate vases with not less than 12-inch stems—1st \$6.00, 2nd \$4.00—open to all. Prize donated by Elmer D. Smith & Co., Adrian, Mich.

No. 7. National Association of Gardeners' prize (open to members of the National Association of Gardeners only) for the best six blooms—six varieties, shown on long stems in one vase—silver medal. Prize donated by the National Association of Gardeners.

No. 8. H. F. Michell Co.'s prizes for twelve chrysanthemums—twelve varieties—one flower each, short stems, shown in separate vases—first gold, second silver, third bronze, medals. Prizes donated by H. F. Michell, Philadelphia, Pa.

No. 9. H. W. Buckbee's prize for the best vase of twenty-five blooms chrysanthemum Mrs. H. W. Buckbee—silver cup. Prize donated by H. W. Buckbee, Seedsman, Rockford, Ill.

No. 10. S. A. F. & O. H. medals. Silver and bronze medals, class to be arranged. Offered by the Society of American Florists and Ornamental Horticulturists.

CHAS. W. JOHNSON, Sec'y.

A PLEASING FLOWER BASKET.



Progressive florists are constantly striving to keep out of the ruts which so many get into in their floral work and in the material used. Beautiful as a well-arranged basket of roses, carnations, violets or other staple florists' flowers may be, yet the use of the same things continuously soon becomes monotonous and the public are always disposed to favor anything out of the ordinary as a change. The basket shown in our illustration is from a photograph kindly loaned to HORTICULTURE by Max Schling. It has the pleasing quality of uniqueness combined with simplicity which is characteristic of so much of that artist's

work. Ixias, clivias and adiantum are the material used and it is to be presumed that the color of the basket and the handle ribbon were in proper harmony with the tints of the flowers used. How fine it would be if we only could reproduce these floral pictures in their natural colors, for color combination is in many cases their strongest feature. The ingenuity and taste exercised by the manufacturers of flower baskets in recent years and the enterprise of the dealers in such supplies have been a great help to the florist, furnishing him with the wherewithal for the production of artistic effects that otherwise would be practically impossible.

NORTH SHORE HORTICULTURAL SOCIETY.

This society held its regular meeting on Friday evening, April 9, at Lee's Hall, Manchester, Mass. In the absence of the president, Eric H. Wetterslow presided. The schedule of prizes for the annual exhibition August 4th and 5th was approved. Among the list of officers given on the front page are the names of four of the leading society ladies of the North Shore summer colony. As they are all active and earnest workers for the society, and will be under the leadership of Mrs. W. Scott-Pitz, the summer show is already an assured success. A. Leuthy of Roslindale was the speaker for the evening and gave a very interesting and instructive lecture on the

growing of palms, ferns and other decorative greenhouse plants. He considered the areca the best of all palms now in commerce. After the lecture a general discussion followed led by Mr. Mulliard and participated in by Messrs. Salter, Sanborn and Parsons.

Ernest Townsend exhibited a vase of his new winter-flowering lupins, which are selections from many crosses between Farquhar's Pink and the Hartwegii varieties. He was awarded a silver medal. The spikes exhibited were about three feet high and ranged in tints from daybreak pink and most delicate blues to pure white. It is the consensus of opinion that these lupins will supersede the snapdragon as a winter flowering crop. It is a great cropper, has pleasing fragrance and is a good keeper.

NATIONAL ASSOCIATION OF GARDENERS.

The Essay Committee of the National Association has selected the following subjects for the contest for President Everitt's prize for the best written essay on Horticulture:

Class 1—Prize, \$5 gold. Subject—Horticulture as a profession from the standpoint of a gardener.

Class 2—Prize, \$25 gold. Subject—The proper grouping and culture of trees, shrubs, perennials and annual bedding plants in the ornamentation of private grounds.

Class 3—Prize, \$20 gold. Subject—Preparation of ground for and general treatment of hardy herbaceous perennials. Naming a list of species (limited to one hundred) providing a succession of flowers throughout the entire season.

Class 4—Prize, \$20 gold. Subject—How to secure a year's vegetable supply with the aid of cold frames or hotbeds (but no greenhouses), including soil preparation.

The contest is open to professional gardeners, who are engaged in the capacities of superintendents, head gardeners or assistant gardeners. The contest closes on October 1. The judges, consisting of three gardeners and two representatives of the horticultural press, appointed by the Essay Committee, will report their decision at the next convention, which will occur the first week of December. Full particulars will be furnished by William H. Waite, Chairman Essay Committee, National Association of Gardeners, P. O. Box 290, Madison, N. J., to whom all inquiries should be addressed.

At the meeting of the Executive Board, held in New York recently, it was voted, in response to an invitation from William Kleinheinz, chairman of committee to secure private growers' exhibits for the Fourth National Flower Show, to be held in Philadelphia, March, 1916, to co-operate with the Society of American Florists to make the show a success.

President Everitt has appointed a committee on Protection of Native Birds, which includes the following members: L. P. Jensen, St. Louis, Mo., chairman; David F. Roy, Marion, Mass.; Lester E. Ortis, Bernardsville, N. J.; Robert Williamson, Greenwich, Conn.; Frank R. Kuehne, Lake Forest, Ill. Chairman Jensen reports that the committee has secured the co-operation of Dr. H. W. Henshaw, Chief of the United States Bureau of Biological Survey, in its work on bird preservation.

Members of the National Association of Gardeners will join the American Association of Park Superintendents in its trip to San Francisco, to attend the N. A. G. summer meeting, which will be held in that city during the third week of August.

WESTCHESTER AND FAIRFIELD HORTICULTURAL SOCIETY.

At the meeting of this society April 9th, Henry Wild read a paper on "Perennial Gardens," and Oscar Addor read one of his inimitable accounts of the "Conquest of Rye," a very clever satirical allusion to the various efforts for supremacy among the members at the annual outing, the monthly competitions, etc., all of which is supposed

WINDOW BOXES.



No part of the florists' business is so far behind its opportunities as that of which the accompanying illustration is an example. As has been repeatedly said, every city in this country is away behind those of Europe, where the use of growing plants for exterior adornment of business houses as well as residences is very general. This lack is not entirely due to the florist. If the public should come forward with a demand for more of this sort of work

the florist would undoubtedly respond with alacrity. The point we wish to emphasize is that the florist can and should increase his business in this department by a special campaign and persistent publicity work in the proper season. There is nothing unreasonable in the proposition that ten times the quantity of window box and veranda stock now sold might be disposed of to advantage by the exercise of due enterprise on the part of the dealers in such material.

to have happened in the 15th century. There was a very large attendance.

The following members were appointed as the Summer Show Committee: Robert Williamson, Alfred Nichols, Robert Grunnert, P. H. Flaherty, William Whittin, all of Greenwich, Conn. William Smith of Portchester, manager. Fall Show Committee: Anton S. Peterson, James Foster; A. Wynne, John S. Burns, Owen A. Hunnick, Alex. Geddes, all of Stanford, Conn. Henry Wild, manager. Liberal prizes have been offered by A. N. Pierson Co., for a group of cut flowers, of chrysanthemums, any or all types arranged for effect. In the writer's opinion this idea could be worked out to be a very attractive and decorative feature, and attract more attention than the old stereotyped arrangement in glasses and bottles. The competition for the prize offered by A. L. Rickards of the Stump & Walter Co., for the best exhibit at this meeting, caused a remarkably fine display. The prize was awarded to Robert Williamson for a splendid specimen of *Coelogyne cristata*. The awards of the judges were: *Adiantum Williamsii*, from James Foster, honorable mention; Robert Williamson, for specimen *pelargonium*, vote of thanks; *antirrhinums* from Alex. Geddes, honorable mention; Robert Grunnert for *Carnation Benora* and Rose Sunburst, vote of thanks; specimen *azalea* from Louis Wittman, vote of thanks; P. W. Popp, *Rhododendron Pink Pearl*, honorable mention; tulips from Emil Leonore, vote of

thanks. Geo. E. Baldwin Co. received honorable mention for *Dendrobium thrysiflorum*; *Celsia cretica* from John Andrew, vote of thanks; stocks from Peter Cruse, honorable mention. A paper on *Dahlia Culture* by P. W. Popp, will be read at the next meeting, May 14th.

P. W. Popp, Cor. Sec'y.

FOR A NATIONAL DAHLIA SOCIETY.

Richard Vincent, Jr., of White Marsh, Md., announces that he expects to organize a National Dahlia Society in New York City on Monday, May 10th, when a meeting will be called at 2 P. M. at the Hotel Earlington, 57 West 27th street. This will be on the afternoon of the regular meeting of the New York Florists' Club, which meets in the evening and the time has been selected for the convenience of those who may wish to attend both meetings. Among the gentlemen and firms who have signified their intention of supporting the movement are J. K. Alexander, W. W. Wilmore, George L. Stillman, Thomas W. Head, John Lewis Childs, Geo. W. Kerr, Hugo Kind, H. A. Dreer, C. Betscher and others.

Mr. Vincent solicits suggestions and views from any and all who are interested in this endeavor to establish an organization which shall worthily represent the interests of the dahlia. HORTICULTURE extends best wishes for the success of the project.

HORTICULTURE INDISPENSABLE

The following examples of many approving letters received at the office of HORTICULTURE during the past few weeks, show why HORTICULTURE is so valuable as an advertising medium. Intensive circulation is HORTICULTURE'S best quality and practically every reader is a possible customer for the advertiser.

Gentlemen:—Last week's HORTICULTURE is not received. Have you scratched me off your list, or what is the matter? Appreciate your paper more than any of half a dozen I am receiving, and don't want to miss any copies. Will you please investigate?

Yours truly,
Missouri. A. B. K.

Gentlemen:—It is getting late in the season and we wish to discontinue the advertisements which we carry in your paper. We would say that the advertisements which we have carried in your paper have brought us good results, and we feel that the money so expended was well invested.

Yours truly,
Standard Thermo Company,
S. C. LORD, President.

Kindly discontinue my advertisement in the classified advertisement section of HORTICULTURE, rendering bill to date.

Yours is a very good advertising medium. We have rid ourselves of practically all our surplus stock, and are therefore obliged to discontinue.

Very truly yours,
Mass. A.

"HORTICULTURE is grand. Keep it up."
San Jose, Cal. B.

Dear Horticulture:

We can't keep house without you, and you can't travel without money, therefore I enclose money order to keep you coming for 1915.

Yours admirably,
Iowa. E. S.

Here is my dollar for the 1915 trip with HORTICULTURE. HORTICULTURE is all right.
New York. P. F.

Enclosed is post office order to pay for HORTICULTURE two years more. I like HORTICULTURE very much and hope to read it many more years.
N. Y. S. F.

One of the many good features of HORTICULTURE is, that those who contribute to its columns always "say something" when they write. I take this opportunity to offer sincere congratulations. "May your shadow never grow less."

Sincerely yours,
New York. P. F.

Editor Horticulture:

Dear Sir — Enclosed please find \$1.00, my subscription to your valuable paper for another year. Cannot do without it.

Conn. O. A. H.

"HORTICULTURE is the finest paper under the sun."
New Jersey. A.

Dear Sirs — Enclosed please find one dollar for another year of the HORTICULTURE. My time is not up yet, but it won't be long. All I can say about your paper is that it is the best of its kind, and I read them all.
R. I. J. B.

Enclosed are two dollars in payment for your very valuable paper. I find its contents timely and instructive.

Sincerely,
Conn. C. S.

Gentlemen:—My paper did not arrive as usual on Saturday. It is all I have to look forward to each week; do not allow that to fail me. Kindly send one along at express rate.

Yours truly,
N. J. G. W.

Gentlemen:—Will you please discontinue my classified gladioli advertisement now running in your paper? I am sold out of nearly all varieties, especially those called for by your readers, and hope to have as good success with you next year.

Yours truly,
Mass. R. W. S.

When Writing to Advertisers Please Mention Horticulture

ST. LOUIS FLORISTS' PETITION.

We, the undersigned florists and landscape architects of St. Louis, in view of the great success in other important cities of the plan of appointing a landscape architect to the office of park commissioner, and especially in view of the city's present crippled finances, which denied Park Commissioner Davis the assistance of a landscape architect during the latter part of his term, do hereby urgently request that the next park commissioner of St. Louis be a landscape architect and do recommend heartily for that important office Mr. Henry C. Muskopf.

L. Jules Bourdet, president St. Louis Florist Club; J. J. Beneke, secretary St. Louis Florist Club; Alex Johnson, O. K. Sanders, care Sanders Nurseries; Fred C. Weber; F. H. Weber; C. Young & Sons Co., Chas. C. Young; Teresa Badaracco; Grimm & Gorly; Diemer Floral Co.; Oscar Sleile; Max Herzog; F. J. Fillmore; H. B. Schaad; John M. Walther; Wm. Schray & Sons; Mullanphy Florist, W. A. Seiger, Pres.; W. M. Robinson; Kalisch Bros. Floral Co.; J. W. Boerm; A. F. Waldmann; Theodore Miller; E. J. Waldbart; Volkman Floral Co., per Alexander Volkman; W. H. Kruse; Bentzen Floral Co., A. J. Bentzen, Pres.; Tower Florist, O. H. Huettmann, Mgr.; O'Leary Florist, per Mr. O'Leary; Ayres Floral Co., per R. A. Tubbesing; The Flower Shop, F. J. Herrmann, Mgr.; Andrew Meyer, Jr.

THE S. A. F. AS A BUSINESS HELP.

A florists' supply house has written the following to Secretary Young of the S. A. F.

"Kindly credit this check for dues and forward button at the earliest possible date, as the writer expects to go on the road shortly and he expects the little button to open the door in many places. We have found this button has really meant something to us in associating and identifying us with the florists."

A word to the wise should be sufficient. It costs money and business to stay out of the S. A. F. today.

PORTLAND FLORISTS TO ORGANIZE.

The efforts that have been made by the florists of Portland, Me., and vicinity to form an organization for their mutual benefit will culminate in a meeting to be held at Stroudwater Grange Hall next Monday night, when there will be a banquet, social session, election of officers and the adoption of by-laws and regulations governing the new association. The committee which has charge of arrangements is composed of Mrs. Lizzie Bennett, Miss Marion McGunigle, Ernest Conant and Alex Skillin.

CLUB AND SOCIETY NOTES.

E. H. Wilson, of the Arnold Arboretum, Boston, will be the speaker before the next meeting of the New York Florists' Club, Monday, May 10. Mr. Wilson's subject will be "Gardens and Flora of Japan," illustrated by lantern slides.

The Albemarle Garden Club, com-

posed of ladies of Charlottesville, Va., will have a discussion on Roses, proper soil, location, varieties and diseases and a talk on the trial rose gardens at Arlington on Friday, April 23. Any of our readers interested should communicate with Mrs. Russell Bradford, secretary of the club.

At the meeting of the Cincinnati Florists' Society on Monday evening, R. Witterstaetter showed his new climbing rose, a dark pink sport of Tausendschoen. The florists present were greatly impressed by its general excellence. A communication from the St. Louis Florist Club relative to the American Carnation Society meeting in St. Louis next year was read.

The New London (Conn.) Horticultural Society met in the Council Chamber of the Municipal Building on the 8th inst. After the minutes had been read, members who attended the New York show told what they had seen and their opinion of the show in general. Prof. E. H. Jenkins, director of the New Haven Experiment Station, then spoke on Fertilizers for the Orchard. Cut flowers were shown by Alfred Flowers, and schizanthus and stock plants by John Malona and Stanley Jordan. H. E. L.

Dr. Robert Huey will give an illustrated lecture on Roses before the Lansdowne Natural History Club on the evening of Tuesday, April 27th. As is well known Dr. Huey is one of our greatest living authorities on the merits of the different varieties of outdoor roses suitable for this climate. The meeting will be held in the hall of the Twentieth Century Club, adjoining Lansdowne station, P. R. R., seven miles from Broad street. Admission free. George L. Pennock, president of the club, will act as chairman of the meeting.

The St. Louis Florist Club meeting on Thursday, April 8th, was rather poorly attended and very little business was transacted. President Bourdet appointed C. Bergestermann on the Annemann committee in place of R. J. Windler, resigned. Mr. Windler also announced that he had resigned as state vice-president of the S. A. F., owing to the fact that he is about to leave the city. A committee was appointed to draw up resolutions on the death of Geo. R. Frow. After this a general talk on the Easter business was taken up. A discussion of questions for the box brought the meeting to a close.

The regular annual meeting of the New Jersey Horticultural Society was held in Orange on April 5. Joseph A. Manda offered a prize of \$5.00 to be used at the fall show. Letters were read from Stump & Walter Co., offering cup; Henry A. Dreer, offering a prize of \$5.00; also the Bon Arbor Chemical Co. A vote of thanks was tendered to all. Awards for the evening were as follows: Max Schneider, carnations, 75 points; sweet peas, 70 points; stocks, 95 points; Cineraria stellata, 90 points; Emil Panuska,

cinerarias, 78 points; Arthur Jackson, violets, 70 points.

GEORGE M. STRANGE, Sec.

At the meeting of the Connecticut Horticultural Society in the county building, Hartford, last Friday evening, after the routine business was transacted, the members were entertained by John F. Huss, who told what he saw at the New York flower show in March. He gave a minute description of the different exhibits, speaking particularly of the rose gardens of F. R. Pierson of Tarrytown-on-Hudson and A. N. Pierson, of Cromwell, and the exhibit of orchids by Julius Roehrs of New Jersey. John Gerard of New Britain, who has made a side line of flower seeds for many years, especially pansy seeds, said he should advise all to save their own seed this year. While last year he handled several thousand dollars' worth of pansy seed, this year, on account of the war, he could not get a single seed.

DURING RECESS.**New Bedford Horticultural Society.**

The annual banquet of the New Bedford Horticultural Society was held at the Parker House on the evening of April 8th. Seventy-seven members and their friends were present. Congressman Walsh was the guest of honor and made a few appropriate remarks. These were followed by short timely remarks by President Roy and Chairman Barrows of the entertainment committee. The profusion of flowers, decorative plants and their artistic arrangement was a notable feature. President Roy contributed a few very fine plants. Others were furnished by Post & Gray, James Garthley and others.

When dinner had been completed a most enjoyable musical program was rendered. There were many selections upon a Victrola and solos by Miss Mabel E. Roy, Miss A. M. Murphy, John P. Rooney, and Louis W. Macy. Harry Wooley gave entertaining recitations. Miss Grace Peirce and Miss A. E. Rooney accompanied the soloists upon the piano.

Mr. Barrows, William M. Post and James McVickar were the entertainment committee.

FRANK L. GRAY.

New York Florists' Bowling Club, Thursday, April 8th, 1915.

W. P. Ford.....	152	164	151
H. C. Riedel.....	191	211	168
P. Jacobson.....	152	169	156
R. J. Irwin.....	154	188	152
A. J. Guttman.....	218	158	182

Little Ads Bring Big Returns

Little ads. in our Classified Columns bring big returns to both advertiser and purchaser.

Anything that can be sold to florists, gardeners, park and cemetery superintendents, etc., can be sold through this medium in this department, and at very small cost. Don't fail to read them each issue, for you will find one or more that will prove profitable to you.

**They Cost Only One Cent
A Word Undisplayed**

LICENSE TO PEDDLE.

In our issue of last week, page 494, under the above heading, we published a communication from a subscriber asking if the city of Haverhill had the right to ask a fee for the privilege of selling plants, vegetables and other farm produce raised by himself. We advised the writer to conform to the ordinance of the city regulating the same, which brings forth the following query:

Fall River, Mass., April 13, 1915.

Editor of HORTICULTURE:

In regard to "License to Peddle," I have an impression (Is it correct?) that a Massachusetts law provides for free and unobstructed sale of all products of the soil of the State. If I am correct, has a town or city a right to pass an ordinance in any way abridging this right given by State law?

FRANK BUFFINTON.

In answer to above we quote an extract from Chapter 65 of the revised laws of the State of Massachusetts as amended up to the present time:

Section 15. [As amended by chapter 377, Acts of 1905, and chapter 345, Acts of 1906.] Hawkers and pedlars may sell without a license books, newspapers, pamphlets, fuel, provisions, ice, live animals, brooms, agricultural implements, hand tools used in making boots and shoes, and the products of their own labor or of the labor of their families, including among such products fruits and agricultural products, if such sale is not made in violation of an ordinance or by-law of the city or town. Cities and towns, may by ordinance or by-law not inconsistent with the provisions of this chapter regulate the sale and exposing for sale by hawkers and pedlars of said articles, and may fix penalties for the violation of such regulations; and may require hawkers and pedlars of fruit and vegetables to be licensed, provided that the license fee does not exceed that prescribed by section nineteen of chapter sixty-five of the Revised Laws for a license embracing the same territorial limits. But a person engaged in the pursuit of agriculture who peddles fruits and vegetables shall not be deemed a hawker or pedlar under the provisions of this chapter.

It would seem from the foregoing that while a farmer has the right to peddle his own products such as fruit and vegetables without a license the sale of plants is not mentioned in the act, and from the best legal advice obtainable any one desiring to peddle plants, etc. would come within the jurisdiction of the ordinance or by-law, regulating the sale of same, in the city or town in which he desired to peddle them.

Horticulture Publishing Company:

Enclosed please find one dollar in payment of subscription for HORTICULTURE for one year. I take so many papers that I had thought of cancelling subscription for HORTICULTURE, but have finally concluded that I cannot do without it.

Very truly yours,

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J. S.

ROSES Lister's
Champions
Scotch Grown
ALL CLASSES. SEND FOR PRICES.
ALEXANDER LISTER
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Nursery Stock

Fruit and Ornamental Trees, Shrubs,
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Write for Trade List.

W. & T. SMITH COMPANY, Geneva, N. Y.

Spencer Sweet Peas

SPECIAL OFFER TO REDUCE STOCK

	Oz.	¼ lb.	1 lb.
AMERICA SPENCER. <i>Pink flaked on white</i>	\$.15	\$.50	\$ 1.75
APPLE BLOSSOM SPENCER. <i>Pink tinged with cream</i>.....	.15	.50	1.75
ASTA OHN SPENCER. <i>Lavender—a fine flower</i>.....	.20	.60	2.00
BEATRICE SPENCER. <i>Delicate pink</i>.....	.15	.50	1.75
BLACK KNIGHT SPENCER. <i>Very dark Bronze</i>.....	.15	.50	1.75
BLANCHE FERRY SPENCER. <i>Rosy standard, white wings</i>.....	.15	.50	1.75
COUNTRESS SPENCER. <i>Pale blush pink</i>.....	.15	.50	1.50
DUPLEX SPENCER. <i>Rich cream pink, double standard</i>.....	.50	1.50	5.00
FLORA NORTON SPENCER. <i>Bright blue and purple</i> ..	.15	.50	1.75
FLORENCE NIGHTINGALE. <i>Soft lavender</i>.....	.25	.75	2.75
FLORENCE MORSE SPENCER. <i>Blush margined pink</i> ..	.15	.50	1.75
HELEN LEWIS. <i>Orange pink</i>.....	.20	.60	2.00
LOVELY SPENCER. <i>Bright pink, edged white</i>.....	.15	.50	1.75
MRS. HUGH DICKSON. <i>Cream pink on buff ground</i> ..	.15	.50	1.50
MRS. ROUTZAHN SPENCER. <i>Rose and primrose</i>.....	.15	.50	1.75
MRS. SANKEY SPENCER. <i>Pure white</i>.....	.15	.50	1.75
MRS. WALTER WRIGHT SPENCER. <i>Rosy mauve</i>.....	.15	.50	1.75
PRIMROSE SPENCER. <i>Creamy yellow</i>.....	.15	.50	1.75
TENNANT SPENCER. <i>Purplish mauve</i>.....	.15	.50	1.75
VERMILION BRILLIANT. <i>Bright scarlet</i>.....	.35	1.25	4.00
WHITE SPENCER (RESELECTED). <i>Pure white</i>.....	.15	.50	1.75
SPENCER VARIETIES IN MIXTURE 10 LBS. FOR \$9.00...	.10	.25	1.00

You may deduct 5% for cash with order

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Sturdy, choice stock that can be depended upon. Send for catalog and special trade prices.

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Don't Miss San Francisco.

The warm weather of the past week has had a marked effect on the retail seed business and center trade has been in full swing for almost the entire week. It seems to be the judgment that trade will continue until late in the season because of its late start. No doubt it will continue somewhat later than some seasons, but it will be a more or less scattering business that will come to the seedsmen after June 1st, and it should not be an effective excuse to prevent anyone from going to the Convention at San Francisco. We all know that if we want an excuse for not doing a thing, how readily one comes to hand and already certain seedsmen are offering this matter of late June business as the reason why they will not be able to go to the coast. It might be well to say just a word with reference to the special train which S. F. Leonard is endeavoring to secure over the Santa Fe Railroad. We understand that if Mr. Leonard can sell 125 tickets that the Santa Fe will grant the seedsmen a special, in all essential respects a duplicate of their famous Santa Fe Limited. It would certainly be very desirable if this could be done.

The Itinerary.

We are a little late in publishing the train schedule and itinerary of the trip, but will endeavor to give this information as fully as possible in this issue and in succeeding issues should changes be made. We quote from letter of March 4th to the Chairman of the Transportation Committee, American Seed Trade Association:

THE ATCHISON, TOPEKA AND SANTA FE RAILWAY SYSTEM.

Dear Sir: Referring to conversation today with our Mr. Moriarty regarding proposed trip of members of above Association from Chgo. to San Francisco.

I am enclosing herewith an itinerary covering the trip with stops as suggested. For this special train we will provide following equipment which is a duplicate of the Santa Fe California Limited: Observation Pullman, Group Buffet and Drawing Rooms as well as special sleepers. Dinner on Santa Fe lines for the trip. Library Club car.

The railway fares are as follows going via one direct line, or as per itinerary and returning any other direct line, the return via Portland will be \$17.50 additional. The side trip, Williams to the Grand Canyon and return, is \$7.50 additional.

Chicago to San Francisco and return.	\$62.50
New York (Standard Lines).....	98.80
New York (Differential Lines).....	94.30
Boston (Standard Lines).....	103.70
Boston (Differential Lines).....	97.70
Philadelphia (Standard Lines).....	95.20
Philadelphia (Differential Lines).....	92.95

Trusting that you will give this your every consideration, I remain,

Yours truly,

GEO. T. GUNNING, General Agent.

SPECIAL TRAIN ONE HUNDRED AND TWENTY-FIVE TICKETS.

June 12 Leave Chicago	8.05 P. M.
June 13 Arrive Kansas City	8.15 A. M.
June 13 Leave Kansas City	9.00 A. M.

June 14 Arrive Albuquerque	11.00 A. M.
June 14 Leave Albuquerque	11.30 A. M.
June 15 Arrive Grand Canyon	6.00 A. M.
June 15 Leave Grand Canyon	7.00 P. M.
June 16 Arrive Richmond, Cal.	1.00 P. M.
June 16 Leave Richmond, Cal.	1.00 P. M.
June 16 Arrive Riverside	1.00 P. M.
June 16 Leave Riverside	11.00 P. M.
June 17 Arrive San Diego	7.00 A. M.
June 17 Leave San Diego	11.55 P. M.
June 18 Arrive Los Angeles	7.00 A. M.
June 18 Leave Los Angeles	11.30 P. M.
June 19 Arrive Lompoc	8.00 A. M.
June 19 Leave Lompoc	11.30 P. M.
June 19 Arrive Oceanside	1.00 P. M.
June 19 Leave Oceanside	10.00 P. M.
June 20 Arrive San Francisco	8.00 A. M.

* So Pacific Railway

The proposed trip to Lompoc may be eliminated as possibly the stop over at Oceano, but the matter has not yet been definitely decided upon.

Cautious Contracting.

Contracting of future requirements by the trade, according to the reports of growers is somewhat below other years. Whether the seed trade is becoming affected by the general fear of business depression or for other reasons it is difficult to say but the facts speak for themselves. Many of the items which dealers have been expecting from Europe have been very late in arriving, many too late to be of use in this year's business. They are liable to prove very useful another season, however, and while the trade was somewhat embarrassed this year by the non-arrival of goods which they urgently needed, they are generally quite reconciled to carry them over into another year as the sentiment generally is that these items will be much scarcer and higher in price than at present.

Seed Potatoes and Onion Sets.

Seed potatoes and onion sets are two items that are worrying the trade who deal largely in them considerably at the present time. Both have experienced a severe sinking spell in the matter of prices, and it looks very much as if the bottom had dropped out, especially of onion sets. On the other hand there has been quite a stiffening in the price of large onions and select stock is bringing from 75c. to \$1.00 per barrel more than a few weeks ago. The effect of this has been promptly shown by an increase in the demand for onion seed, and the trade has been active in this item for the past two weeks. This change has been somewhat of an agreeable surprise to the trade, and as there have been very few pleasant surprises this year, it is all the more appreciated.

Chicago Seed Notes.

The Leonard Seed Co., looking at the season just closing from the standpoint of a big wholesale establishment, regards the past season as one of very fair returns. Prices have been normal and sales along all lines have moved the stock steadily. Onion sets were practically closed out the first week in April. The few left in this market are selling now at \$1.50 per bushel for white, and \$1.25 for red and yellow. Some of the growers have small lots left, enough to supply a limited quantity for any shortage that may develop in the local retail trade.

Counter trade is a little slow in starting in Chicago owing to the lack of the warm days usually interspersed with the cold ones. While trees and shrubs are about up to date in leaf

Hardy Phlox Plants

These are grown at our Nurseries at Andalusia, and are unusually fine. This Special Offer is subject to stock being unsold when order is received. Mention this special offer when ordering.

	Doz.	100
Baron Von Dedem, Deep pink	\$0.60	\$4.00
Elizabeth Campbell, Pink	1.00	6.00
Embracement, Orange pink	.60	3.50
Eugene Danzavilliers, Lavender	1.00	6.00
Europa, Blush white, pink center	.60	4.00
Fernand Cortez, Pink	.60	3.50
Gen. Chanzy, Orange	.75	5.00
Goliath, Cerise	.75	5.00
Jeanne d'Arc, White	.60	3.50
Le Mahdi, Blue	.60	3.50
Matador, Cherry red	1.00	6.00
Montagnard, Purple	.60	4.00
Mrs. Jenkins, Pure white	.60	3.50
Richard Wallace, Blush white	.60	3.50
R. P. Struthers, Salmon	1.00	6.00
Ryndstrom, Bright pink	.60	4.00
Mrs. Robinson, Carmine pink	.60	3.50

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SUPERIOR GLADIOLI

JOHN LEWIS CHILDS
FLOWERFIELD, L. I., N. Y.

and bud development, the ground is cold for planting. March had scarcely a warm day and April so far has been cold. Crocus are in bloom and tulips are showing above the ground.

Values of horticultural imports into New York for week ending April 3, are given as follows: Fertilizer, \$1,648; clover seed, \$46,732; grass seed, \$18,379; sugar beet seed, \$13,790; trees and plants, \$68,351.

BEGONIAS

FARQUHAR'S TUBEROUS ROOTED

The great value of Tuberous Rooted Begonias for Lawn Beds and Borders is appreciated owing to the continuous production of large and gorgeous flowers.

Single and double varieties in the following colors:—Crimson, Scarlet, Pink, White, Orange and yellow.

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ONION SETS
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can get them at lowest independent whole-
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GLADIOLUS

	100	1000
Blushing Bride	- \$0.75	\$6.00
Peach Blossom	- 1.00	8.00

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255 Sheets Paper.....	1.50		
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"FLOWERS BY TELEGRAPH"

Of Interest to Retail Florists**GLUTS.**

Much has been prated about this chronic disease of the flower industry and as yet but little improvement has been effected. Undoubtedly the grower bears the brunt of an excessive surplus, it being but little in his power to alleviate the condition. A liberal co-operation between the retailer and grower is evidently the best foundation for a cure. If for no other reason than that of material advantage to himself, the retail florist ought to pay some attention to this problem. An over-supply of roses, carnations or some other flower should make it easy to put on a special sale. That portion of the public which buys flowers only at the holiday seasons hardly realizes that prices are lower at other times of the year and are thus reluctant to enter a florist shop for fear of the high prices which they imagine exist at all times. The best way to increase the demand during a state of "glut" is to take your public into your confidence and clearly explain to them the condition of the market. Otherwise an advertised sale of flowers is liable to convey the impression of a cheaper quality being sold. I do not believe in selling flowers at cut-prices or bargain sales all the time, but there are seasons in the year when market prices are so low that the retailer can sell his stock cheaply and still make a fair profit. Every person who is induced to buy flowers for the first time because of the low prices will some day be a complete convert to their use. So the streetboy who sells violets at 25c. a bunch and roses at 2c. each is really a factor in the floral education of the public.

NEW FLOWER STORES.

Olneyville, R. I.—Geo. Frazer, Pike's block.

Salem, O.—F. P. Meyerhofer, McKinley avenue.

Chicago, Ill.—A. F. Kavina, 2205 So. 56th avenue.

Cicero, Ill.—Kawina Bros., 2203 S. 56th avenue.

Marlboro, Mass.—Roy G. Carter, 27 Mechanic street.

Eldorado, Kan.—C. M. Salisbury, 126 W. Central avenue.

Des Moines, Ia.—U. L. Crawford, 8th and Walnut streets.

Beaver Falls, Pa.—J. S. Hennon & Son, 920 7th avenue.

New York, N. Y.—Richard Scommadau, 485 Eighth avenue.

Memphis, Tenn.—Nell's Flower shop, 1127 James street.

Milwaukee, Wis.—Arthur A. Schumann, Third and Wright streets.

Philadelphia, Pa.—Charles I. Kent, The Marllyn, 40th and Walnut streets.

St. Louis, Mo.—Dominic Bova, Locust street, opposite Railway Exchange Building.

I like HORTICULTURE so well that I send check for two years this time, \$2.00.

R. I.

F. C. G.

JOHN BREITMEYER'S SONSCor. Broadway and Gratiot Aves.
DETROIT, MICH.**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good sections of Ohio, Indiana and Canada.
Members Florists' Telegraph Delivery Association.

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ALBANY, N. Y.FLOWER DELIVERIES FOR ALBANY
AND VICINITY

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But How Good.

Capital of the Empire State

Member F. T. D. A.

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D. C.****GUDE'S**Member Florists
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Delivery**SAMUEL MURRAY****Kansas City, Mo.****913 Grand Ave.**

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All Orders Given Prompt and Careful Attention

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J. A. VALENTINE, Pres.

Member Florists' Telegraph Delivery.

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FLORISTS****25 Clinton Avenue, N.**Rochester Phone 306. Long Dist. Bell Phone 2780
Members Florists Telegraph Delivery**"THE HOME OF FLOWERS"**

The largest cut flower store in America
Orders for the TWIN CITIES and for all
Northwestern points given prompt at-
tention.

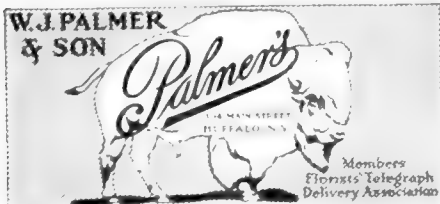
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ST. PAUL, MINN.**RANDALL'S FLOWER SHOP**

HARRY I. RANDALL, Proprietor.

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Member Florists Telegraph Delivery Association

**S. A. ANDERSON**

440 Main St., Buffalo, N. Y.

ANDERSON service means fresh, sturdy stock, and prompt deliveries in BUFFALO, LOCKPORT, NIAGARA FALLS and WESTERN NEW YORK.

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CHICAGO Send Your Orders to WILLIAM J. SMYTH

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Michigan Ave. at 31st Street

Prompt Auto Delivery
Service

CHICAGO

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Are Thoroughly Covered by

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Flowergram or Mail Orders from florists
anywhere carefully filled and delivered
under the supervision of

GEORGE ASMUS, Mgr.

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Deliveries to Steamers and all Eastern Ports

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Will take good care of your orders

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Auto delivery of Designs and Flowers to
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Stock and Work First Class

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FRED C. WEBER

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NOTICE INITIALS. We have one store only

Flowers by Telegraph

Leading Retail Florists Listed by
Towns for Ready Reference. Orders
transferred by telegram or otherwise
to any of the firms whose address is
here given will be promptly and prop-
erly filled and delivered.

Albany, N. Y.—Danker.
Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Albany, N. Y.—The Rosery, 23 Steuben St.
Boston—Thos. F. Galvin, 1 Park St.
Boston—Penn. the Florist, 37-43 Brom-
field St.
Buffalo, N. Y.—S. A. Anderson, 440 Main
St.
Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago, Ill.—Schiller the Florist, George
Asmus, Mgr.
Chicago—William J. Smyth, Michigan
Ave. and 31st St.
Cleveland, O.—J. M. Gasser Co., Euclid
Ave.
Cleveland, Ohio—Adam Graham & Sons,
5523 Euclid Ave.
Denver, Col.—Park Floral Co., 1643
Broadway.
Detroit, Mich.—J. Breitmeyer's Sons,
corner Broadway and Gratiot Ave.
Houston, Tex.—Kerr, The Florist.
Kansas City, Mo.—Samuel Murray, 913
Grand Ave.
New London, Conn.—Reuter's.
New York—David Clarke's Sons, 2139-2141
Broadway.
New York—Alex. McConnell, 611 5th Ave.
New York—Young & Nugent, 42 W. 28th.
New York—Dards, N. E. corner 44th St.
and Madison Ave.
New York—Max Schling, 22 W. 59th St.
New York—G. E. M. Stumpp, 761 Fifth
Ave.
New York—Thos. F. Galvin, Fifth Ave.,
at 46th St.
New York—J. H. Small & Sons, 1153
Broadway and Waldorf-Astoria.
New York—Myer, 609-611 Madison Ave.
New York—A. T. Bunyard, 413 Madison
Ave.
Norwich, Conn.—Reuter's.
Omaha, Neb.—Hess & Swoboda, 1415
Farnum St.
Rochester, N. Y.—J. B. Keller Sons, 25
Clinton Ave., N.
St. Louis, Mo.—Fred C. Weber, 4326-28
Olive St.
St. Paul, Minn.—Holm & Olson, Inc.
Tarrytown-on Hudson, N. Y.—F. R. Pier-
son Co.
Toronto, Can.—J. H. Dunlop, 96 Yonge
St.
Washington, D. C.—Gude Bros., 1214 F
St.
Washington, D. C.—F. H. Kramer, 915
F St., N. W.
Westerly, R. I.—Reuter's.
Worcester Mass.—Randall's Flower Shop,
3 Pleasant St.

ONE WAY TO ADVERTISE.

It is a good thing to carry the spirit
of one's establishment right into the
home. A printed slip containing direc-
tions how to care for the flowers and
inserted in every box is much appre-
ciated by the recipient and gives an
impression of thoughtfulness and a de-
sire to serve. Many florists also make
a practice of pasting on the inside
cover of every box a note explaining
the telegraph delivery system, which
even at this late day remains a mys-
tery to thousands of flower buyers.
Make every recipient of your flowers
your customer in this way.

Henry Penn

Penn The Florist

"The Telegraph Florist"

Member of Florists' Telegraph Delivery

37-43 Bromfield St., Boston, Mass.

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NEW YORK

WIRE OR PHONE TO

MAX SCHLING

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Best Florists in the States as References

EUROPEAN ORDERS EXECUTED
Members of the Florists' Telegraph
Delivery.

REUTER'S Members Florists
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Delivery

STORES IN

New London and Norwich, Conn.
and Westerly, R. I.

We cover the territory between

New Haven and Providence

**HESS & SWOBODA
FLORISTS**

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THE J. M. GASSER COMPANY,

CLEVELAND

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FOR
TEXAS**
The Florist **HOUSTON, TEXAS**
Member F. T. D. Association.

The Far-Famed Flowers of

TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP

96 Yonge St., - - TORONTO, ONT.

HOUSE of FLOWERS NEW YORK

MR. THORLEY wishes to announce to the retail trade generally, that he does not fill trade orders amounting to less than \$5.00 in value; nor will he allow discounts. Orders must be net. Further: Any order received must be accompanied by cash to cover cost of execution, or by a satisfactory New York reference.

On the other hand: Any orders which MR. THORLEY places with the trade will be placed on a net cash basis.

NEWS ITEMS FROM EVERYWHERE

BOSTON.

Henry Penn is formulating plans for a trip across the continent to San Francisco.

Some fine orange blossoms are being cut by B. P. Winch of Framingham. When orange blossoms are wanted they are wanted badly.

W. E. Ward of Quincy, who specializes to some extent on pansies, practically controls the local market, sending in over 5,000 blooms daily.

Carnation Morning Glow, from Ed. Winkler of Wakefield, is proving to be a fine keeper, well fitted for long distance shipments. It seems to be a very prolific bloomer.

The next meeting of the Gardeners' and Florists' Club comes April 20. An interesting lecture on "Some facts about banking that florists ought to know" is promised by H. Howard Pepper.

Philip L. Carbone enjoyed a very successful trip to the Pacific Coast, where he visited the World's Fair at San Francisco. He has just recently returned, in time to take part in the Easter hustle.

The special strain of "silver-pink" snapdragon grown by F. Southworth of Lynn has enjoyed a merited popularity in this market. Mr. Southworth specializes on snapdragon and is developing some promising strains.

Violets are still coming into the markets and are of surprisingly good quality, considering the lateness of the season. Kidder Bros. of Lincoln and Ed. Bingham of Dedham are picking singles that come very near to being mid-season grades.

Gov. Walsh has issued a proclamation designating Saturday, April 24, as **Arbor Day**. He urges all the citizens, old and young, to do their part to make

the day, and all other days during the planting days, of advantage to the Commonwealth. In his proclamation he says:—

"To the first settlers the magnificent forests of New England were mainly a menace and an impediment—the lurking places of savage foes and cumberers of the lands needed for agriculture.

"By following generations the forests have been heedlessly exploited for immediate gain, with too little regard for consequences to soil and climate and to the rights of posterity.

"It is for us now to redeem as far as may be former errors, to re clothe stony and infertile wastes with valuable timber, to develop our unexcelled orchard resources, to beautify our landscapes, and to line our highways with a grateful shade."

SAN FRANCISCO

The regular monthly meeting of the Pacific Coast Horticultural Society, usually held the first Saturday, was postponed one week because of the nearness of that date to Easter.

The Walla Walla Hothouse Co., of Walla Walla, Wash., of which F. E. Mojoiner is president, has leased quarters at East Main and Palouse streets and opened for business in that location.

Preparations are under way for converting the Richmond Fernery, 473 32d avenue, which has been operated as a wholesale growing place by Henry J. Kessel, into a retail plant yard. The change will necessitate the reconstruction of the establishment, the work to be done this summer.

B. M. Joseph, of Joseph's, on Grant avenue, says they are getting quite a bit of business, which can be attributed directly to the exposition. Besides decorative work in conjunction with exposition events, his house is delivering many orders for cut flowers to out-of-town visitors upon their arrival here. Mr. Joseph looks for the latter class of trade to increase rapidly with the beginning of heavy traffic from the East.

CHICAGO.

A Tragic Event.

The tragic ending of the life of the jovial William Weil at the close of Easter Day, was made still sadder when it was found that his murderers include two former employees, one of whom worked for him during the holidays. It seems that one of the three young men had a key to the store and according to the confession made by one of them, the store had been frequently searched for money during Mr. Weil's absence. This time they waited for his coming, believing that he had the money from his Easter sales still with him which was the case. The exact amount has not been determined. Mr. Weil had done business for many years at 421 W. Sixty-third street, where he also lived and was known for his generosity to churches and clubs. His store has been taken over temporarily by the Garfield Flower Shop who have a store at 211 E. Garfield Boulevard.

Harmony.

The Cook County Florists' Association is now of the past. At a meeting at the Bismarck Hotel on April 8, it formally disbanded after an existence of about three years. At a meeting of the Chicago Florists' Club, the same evening at the same place, former members of the Cook County Florists' Association, in good standing were voted into the Chicago Florists' Club in a body with dues paid to July 1. The money left in the treasury of the defunct organization, after obligations are met, will be used for a joint banquet probably in May.

Tree Planting.

Some definite work is being done to encourage tree planting this spring, especially where parkways are wide enough to afford space for water to reach the roots of the trees. Through the influence of J. H. Prost, of the Special Park Commission, trees were secured from the city nurseries, for free distribution in Irving Park. According to the agreement, trees must be planted in parkways only and ex-

More Light and Absolute Safety

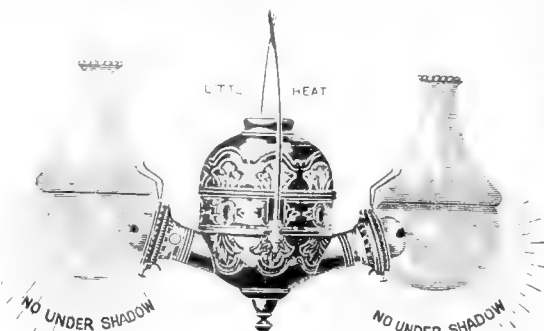
FOR YOUR SUMMER HOME OR BUNGALOW

The ANGLE LAMP

BURNS KEROSENE. Cannot explode, clog or be overturned. It gives a big, brilliant light, no smoke, odor or waste; as bright as gas or electricity, and better to read by. 32 varieties, 1 to 4 burners, from \$3.25 up. Write for Catalog H-A—Today.

FOR SALE BY

GLOBE GAS LIGHT CO., 27 Union Street,
Boston, Mass.



**A FEW SHOP-WORN
LAMPS AT A BARGAIN**

cavations shall be large enough to afford plenty of root room. J. G. Hancock is chairman of the tree committee.

Notes.

Two hundred vacant lots were assigned last week, to applicants for garden purposes. The demand for these lots is far ahead of the number to be offered. The small farms movement is getting under way and something definite will soon be arranged.

The incorporation of the Napierville Nurseries, April 1st, adds another to the long list in and about Chicago. Helen Von Oven, and Frederick and Emma Von Oven comprise the firm.

Fred Lautenschlager is expected home from the east about April 20th, where he has spent several weeks in the interests of Kroeschell Brothers, gathering in the orders. Two more boilers were added to the number already sent to England by this firm.

Miss Harper of the Bassett & Washburn office force had the misfortune to have her hand seriously injured on an elevated train, when the guard closed the door upon it. The slipping out of joint of one of the small bones near the wrist, saved breaking of the arm but it was extremely painful. No settlement has been made as yet by the railway company. To some it would have been fortunate that the left hand was the one injured, but to her it is unfortunate as she is left-handed.

WASHINGTON.

Mrs. J. A. Philipps, of the Flower Shop, has gone near Sycamore Island, in Virginia, for a short rest.

Fred H. Kramer can now boast of having in his employ a young man who can readily qualify as a good amateur boxer, for Wilbur I. Doty, his chauffeur, did valiant work recently in capturing a man giving his name as Joseph R. Rollins, whom he caught in the act of scaling the partition that encloses Mr. Kramer's private office. Another man, said to have been working with Rollins, was captured later.

Plans for the coming encampment

**THE Florists' Supply
House of America**

H. BAYERSDORFER & CO.
1129 Arch St., Philadelphia, Pa.

of the Grand Army of the Republic are progressing in a very satisfactory manner and a large number of florists are on the various committees on which they hold important positions. It is expected that this will be the last encampment of the old soldiers that will ever be held. A number of veterans engaged in the florist business are expected to come with their old regiments.

Charles Scarborough, an employee of Gude Bros. Company, has gone to his father's place in Philadelphia to recuperate following a serious accident caused by being struck by a trolley car, in which it is feared that several of his ribs may have been fractured. Another of the employees of this firm who is unable to perform his usual duties is Earl Wilson who is suffering from a badly poisoned arm and hand due to handling American Beauty roses which had been sprayed with a poisonous liquid. He is in quite bad shape.

PITTSBURGH.

H. E. Graves, of the Zieger Company, has returned from a visit to his former home in Beloit, Ohio.

Ernest Guter, who has charge of the Richard Beatty Mellon estate on Fifth avenue and Beechwood boulevard, is seriously ill with pneumonia.

The usual reaction has followed Easter, and were it not for the unusual amount of funeral work, the week would have been "too dull for words." The wholesale houses have been fairly glutted with plants and cut flowers, "the finest in the land, too." One local house is shortly to begin some extensive additions to its nursery department, but not wanting to be flooded prematurely with agents, will make no announcement of the fact until absolutely necessary, which practically means until "the fact leaks out."

Superintendent William Allen, of the Homewood Cemetery, and J. Gerry Curtis, borough forester for Sewickley, Wilkinsburg and Dormont, who are largely responsible for the Vacant Lot movement, which is just assuming proportions in this city, have been appointed chairmen respectively of the two sub-committees of the Civic Club of Allegheny County in charge. Mr. Curtis is also now in charge of "Solidude," the Pittsburgh estate of the late George Westinghouse in Homewood, and, with his family, moved there the first of April. He came here from Bos-

ton a few years ago as assistant chairman of the Tree Planting Commission, which work was abolished by councils last year, and has offices in the Farmers' Bank Building. Mr. Curtis received his technical training at the Massachusetts Agricultural College at Amherst.

ST. LOUIS.

Arbor Day was celebrated by the city officials, who, headed by Mayor Kirl, planted 100 trees in Fair Ground Park Friday, April 9.

Otto G. Koenig, well known in trade circles, was elected alderman at an election held Tuesday, April 13. He went in with the rest of the big Republican victory.

Nelson Conliff, who was chief engineer of the City Park Department, was on April 10 appointed park commissioner to succeed Dwight F. Davis by Director of Public Welfare Tolkaez.

R. J. Windler, with his family, will leave St. Louis May 1 to make their home in Chicago, having leased one of the places owned by Adam Zender, his father-in-law, at Rodgers Park, where he will grow cut flowers for this market.

New York—The collapse of the steel underpinning supporting the sidewalk and building line in the new subway constructions in Broadway between 28th and 29th street late last Monday afternoon dropped the sidewalk four inches, caused a panic among the workmen under the street and spread an alarm among pedestrians. A score of policemen were kept busy stilling the cries of fear and blocking off the threatened section of the street. Fifty occupants in Oestreich Brothers' store at No. 1191 Broadway and in the florist shop of Warendorff at No. 1193 were conducted to places of safety. The ceilings of these offices were found to be cracked.



**Real
Butterflies**

Moths, Beetles, etc., mounted on plus for floral decorations of every description. Largest stock in America. Write for prices.

The New England Entomological Company
366 Arborway, Jamaica Plain, Mass.

HEADQUARTERS FOR

BEAUTIES

LILAC AND SNAPDRAGON

When in the market let us quote you.
Our prices are always right.

THE LEO NIESSEN CO.

Wholesale Florists

N. W. Cor. 12th and Race Sts.,

PHILADELPHIA, PA.

READER!!

HELP Us to Continue
Producing the

BEST TRADE PAPER

Just Mention **HORTICULTURE**
When Writing to Advertisers

THE BEST LETTERS

FOR
FLORIST'S
USE

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THOSE
MADE
BY THE

Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. McCarthy, Mgr.

Block Letters, \$2.00 per 100.

Script Letters, \$3.00 per 100.

Order direct or buy from your local
supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always
in Stock.

**C. E. CRITCHELL**

"The" Wholesale Florist of Cincinnati
32-34-36 East Third Street

Consignments Solicited. Complete stock of
Florists' Greens and Supplies.

Mention Horticulture when writing.

Wired Toothpicks

Manufactured by

W. J. COWEE, Berlin, N. Y.

10,000....\$1.75. 50,000....\$7.50. Sample free
For sale by dealers.

E. G. HILL CO.

Wholesale Florists

RICHLAND, IND.

Please mention Horticulture when writing.

POEHLMANN BROS. CO.

Supply of Best Cut Flowers all the Year Around
72-74 EAST RANDOLPH ST., - - - CHICAGO.

If interested, send us your name and address for our weekly price list.

WELCH BROS. CO.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE
SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED**226 Devonshire Street,****Boston, Mass.****WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY**

	CINCINNATI April 12	CHICAGO April 12	BUFFALO April 12	PITTSBURG April 12
Roses				
Am. Beauty, Special.....	25.00 to 25.00	1.00 to 1.00	20.00 to 20.00	30.00 to 35.00
" " Fancy and Extra.....	15.00 to 25.00	20.00 to 25.00	15.00 to 20.00	20.00 to 25.00
" " No. 1.....	10.00 to 10.00	1.00 to 20.00	5.00 to 8.00	10.00 to 15.00
Killarney, Richmond, Extra.....	5.00 to 8.00	1.00 to 8.00	5.00 to 8.00	1.00 to 10.00
" " Ordinary.....	2.00 to 4.00	2.00 to 4.00	2.00 to 4.00	2.00 to 4.00
Hillingdon, Ward, Sunburst, Extra.....	5.00 to 8.00	1.00 to 8.00	4.00 to 6.00	6.00 to 10.00
" " Ordinary.....	2.00 to 4.00	2.00 to 4.00	2.00 to 3.00	2.00 to 4.00
Maryland, Radiance, Taft, Extra.....	5.00 to 8.00	1.00 to 8.00	4.00 to 6.00	6.00 to 10.00
" " Ordinary.....	2.00 to 4.00	2.00 to 4.00	2.00 to 3.00	2.00 to 4.00
Russell, Hadley, Ophelia, Mock.....	2.00 to 8.00	4.00 to 20.00	..... to .....	..... to
Carnations, Fancy.....	2.00 to 1.00	2.00 to 3.00	2.00 to 2.50	..... to 2.00
" " Ordinary.....	1.50 to 2.00	1.00 to 3.00	1.00 to 2.00	..... to 1.00
Cattleyas.....	25.00 to 40.00	5.00 to 60.00	50.00 to 75.00	60.00 to 75.00
Lilies, Longiflorum.....	25.00 to 10.00	8.00 to 12.00	8.00 to 10.00	5.00 to 8.00
" " Rubrum.....	1.00 to 1.00	..... to 6.00	4.00 to 6.00	..... to
Lily of the Valley.....	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00	2.00 to 4.00
Daisies.....	1.00 to 1.00	1.00 to 2.00	.75 to 1.00	1.00 to 3.00
Violets.....	..... to .....	.50 to .75	.75 to 1.00	.35 to .50
Snapdragon.....	6.00 to 10.00	8.00 to 12.00	3.00 to 5.00	6.00 to 12.00
Narcissus, Paper White.....	..... to	2.00 to 3.00	..... to .....	..... to
Freesias.....	..... to .....	..... to .....	..... to .....	..... to
Daffodils.....	2.00 to 3.00	2.00 to 3.00	1.50 to 2.00	3.00 to 4.00
Tulips.....	2.00 to 3.00	2.00 to 3.00	1.50 to 2.00	..... to 3.00
Sweet Peas.....	.50 to .75	.50 to 1.00	.50 to 1.50	.50 to 1.50
Corn Flower.....	..... to .....	..... to 2.00	..... to 2.00	..... to
Gardenias.....	..... to .....	..... to 35.00	..... to 35.00	..... to
Adiantum.....	..... to 1.00	..... to 1.00	..... to 1.00	..... to 1.35
Smilax.....	..... to 12.50	15.00 to 20.00	..... to 15.00	..... to 15.00
Asparagus Plumosus, Strings (100)	..... to 50.00	50.00 to 60.00	..... to 50.00	30.00 to 50.00
" " & Spreng. (100 bchs.)	..... to 35.00	24.00 to 35.00	..... to 35.00	..... to 50.00

WILLIAM F. KASTING Co.**Wholesale Florists****383-387 ELICOTT ST.****BUFFALO, N. Y.**

Telephone 3860 Madison Square

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Plantmen and Florists

37 and 39 West 28th St., NEW YORK

EDWARD REID**WHOLESALE FLORIST**

1619-21 Ranstead St., Philadelphia, Pa.

CHOICE BEAUTIES, ORCHIDS, VALLEY, ROSES
and all Seasonable Varieties of Cut Flowers

MICHIGAN CUT FLOWER**EXCHANGE, Inc.**

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

264 RANDOLPH ST., DETROIT, MICH

Flower Market Reports

BOSTON The market is in a state of absolute stagnation at present. Roses and carnations are very plentiful and of good quality, but the demand has fallen off badly, leaving the flower market stalls piled high with stock several days old. Friday and Saturday of last week were fairly active. This week so far has been very dull. Violets are still to be seen and are of rather poor quality, nevertheless retailers are still finding a ready sale for these. Excellent pansies and daisies are being cut. They are moving faster than most other stock at present. Bulbous stock is showing signs of "petering out" and is moving but slowly. Hundreds of plants left over from Easter are still hanging on and find few buyers. In short—business is poor.

BUFFALO Easter Monday's business opened up quite brisk, receipts were not too heavy and there was a general call for about everything along the line, but during the week there were heavy receipts and business dropping off 50 per cent. Roses were in heavy supply. Beauties of all grades fell in price as did carnations. There were the usual after-Easter lily bargains and no let up on daffodils, tulips, and other bulbous stock. A big surplus was left at the end of each day's business. Floral work has been the lightest since the Lenten days began and ended.

CHICAGO The least said of this market the better. Such a complete cessation of business as has followed Easter has not been known by some of those longest in the trade, according to their statements. The reasons are not difficult to locate. Quite a few retailers had plants left over and naturally pushed their sales of these ahead of cut flowers. Bright sunshine and moderate temperature followed Easter Sunday and brought out a big supply just when there was the least demand for it and in two or three days ice boxes and counters were filled to overflowing. Department stores took advantage and bought at prices that can be imagined when they sold good roses of medium length for 12 cents per dozen. This worked off stock for the wholesalers but also put an end to any business by the downtown florists. The out-of-town orders have fallen off to such a degree as to indicate that trade is dull in the middle west generally. All kinds of stock is of excellent quality and trade will no doubt soon be normal again, but at this writing customers on the spot can buy at their own price. Thousand rates are quoted on both carnations and roses.

CINCINNATI The market is badly glutted with flowers. Every seasonable line is in an oversupply owing to the heavy receipts and a decided falling off in the demand for stock. Shipping business, however, is pretty fair. Roses of all kinds, carnations and lilies are



Mrs. Charles Russell

As they are now coming in to us, are of the finest quality ever offered by anyone—magnificent, large, heavy flowers on long stiff stems, exhibition blooms they are. Mrs. Russell is the best value of any Roses today.

Specials\$20.00 per 100

And they are Specials,
stems 24 in. or over

Fancy\$15.00 per 100

Extra 10.00 " "

First 8.00 " "

Second 6.00 " "

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BALTIMORE, Franklin and St. Paul Sts.
WASHINGTON, 1216 H St., N. W.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON April 15	ST. LOUIS April 12	PHILA. April 12
Roses			
Am. Beauty, Special	20.00	20.00	25.00
" " Fancy and Extra	10.00	10.00	15.00
" " No. 1	4.00	5.00	8.00
Killarney, Richmond, Extra	4.00	5.00	10.00
" " Ordinary	1.00	2.00	4.00
Hillingdon, Ward, Sunburst, Extra	1.00	5.00	10.00
" " Ordinary	2.00	4.00	1.00
Maryland, Radiance, Taft, Extra	5.00	5.00	10.00
" " Ordinary	3.00	4.00	1.00
Russell, Hadley, Ophelia, Mock	4.00	12.00	3.00
Carnations, Fancy	2.00	3.00	2.00
" " Ordinary	1.50	2.00	1.50
Cattleyas	2.00	30.00	40.00
Lilies, Longiflorum	6.00	6.00	8.00
" " Rubrum	6.00	6.00	8.00
Lily of the Valley	2.50	3.00	4.00
Daisies	1.50	1.50	2.00
Violets	1.00	.50	.20
Snapdragon	2.00	3.50	4.00
Narcissus, Paper White	1.00	2.00	3.00
Freesias	1.00	2.00	3.00
Daffodils	1.00	3.00	2.00
Tulips	1.00	2.00	3.00
Sweet Peas	.25	1.00	.50
Corn Flower	.50	.75	1.00
Gardenias	20.00	30.00	5.00
Adiantum	1.50	1.00	1.25
Smilax	10.00	12.00	15.00
Asparagus Plumosus, Strings (100)	25.00	50.00	50.00
" " & Spreng. (100 Bchs.)	25.00	40.00	25.00

to be had in quantities larger than at any previous time this year. Sweet peas continue in a heavy supply and are good, but they as well as the other offerings bring very small returns. The bulbous stock cut is large. Other offerings include lily of the valley, orchids, antirrhinum, callas and rubrum lilies. Smilax receipts are limited and hardly suffice for present needs.

NEW YORK There are no words that can describe adequately the market conditions here at the present time. We cannot mention anything that is not overplentiful and in which the supply does not exceed the demand. It is no longer a question of price asked as almost every commission house is compelled to sell out each morning the accumulation of carried-over stock in their ice boxes for a lump sum, and this lump sum is generally \$25 and seldom exceeds \$50. Carnations are

plentiful at \$10 per thousand. American Beauties, the very best grade, is selling at 5c., with 12c. the asking price for the very best. Lily of the valley, as a general rule, is of very poor quality and in many cases is unsaleable. Tulips, daffodils and jonquils are very plentiful. Southern daffodils and jonquils are arriving in huge quantities and cannot be sold for the express charges. Even all higher grade roses and novelties are accumulating and they suffer with other stock, as far as prices are concerned and are included in the "job lots." Gardenias are abundant and of excellent quality. One can easily realize the condition of the gardenia market when many street venders are seen on Fifth avenue selling the highest grade blooms for 5c. and 10c. each. Cattleyas, too, are plentiful, Schroderea selling from 15c. to 25c.; Mossiae, from 40c. to 75c., with a few exceptionally fine Gigas selling at \$1. Trianea is selling from 40c. to 60c. Oncidium, 6c to 8c. Southern asparagus is arriving in large

(Continued on page 538)

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CONSIGNMENTS SOLICITED

NEW YORK QUOTATIONS PER 100. To Dealers Only**ROSES AND CARNATIONS**

	Last Half of Week ending Apr. 10 1915		First Half of Week beginning Apr. 12 1915	
American Beauty, Special	10.00	to 12.00	5.00	to 8.00
" " Fancy and Extra	5.00	to 8.00	.....	to 5.00
" " No. 1	2.00	to 3.00	2.00	to 5.00
Killarney, Richmond, Extra	4.00	to 6.00	.25	to 4.00
" " Ordinary	1.00	to 2.00	.25	to 1.00
Hillingdon, Ward, Sunburst, Extra	3.00	to 4.00	.25	to 4.00
" " Ordinary	1.00	to 2.00	.25	to 1.00
Maryland, Radiance, Taft, Extra	3.00	to 4.00	1.00	to 4.00
" " Ordinary	1.00	to 2.00	.25	to 1.00
Russell, Hadley, Ophelia, Mock	1.00	to 8.00	1.00	to 4.00
Carnations, Fancy	1.50	to 2.00	1.00	to 2.00
" " Ordinary	1.00	to 1.50	.50	to 1.00

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We have 20 years' experience behind us.
Telephone, Madison Square 396 and 397.



Flower Market Reports

(Continued from page 537)

quantities, but is being affected much by the weather and drops very badly. Snapdragon of very fine quality is moving very slowly, 35c. per bunch. Sweet peas are almost as plentiful as in the summer season, the finest Spencers being sold 25c. to 75c. per dozen bunches. It is difficult to move sweet peas of the older types. Veterans in the business claim that they have never seen the market so dull and overstocked as at present. Easter lilies are seen everywhere, many houses still carrying over stock from Easter and it not unusual to see small lots sold as low as \$1 per hundred.

PHILADELPHIA We regret to have to report one of the worst weeks on record for this city. Monday after Easter the retailers were stocked up with left-overs from the Saturday blizzard—and would not buy a cent's worth. The daily supplies came in as usual; no takers. Result—a glut for the week. And it still continues at the start of this new week and it looks as if we were in for another bad one. Enormous supplies of splendid flowers and not enough business to absorb one-half. We are not built right to write right on a painful subject, so we cut the painful story short. Spanish iris, ixias and gladioli are the latest newcomers.

SAN FRANCISCO The usual post-holiday condition of trade prevails here this week. There is no special activity in any line, but there is little inclination to complain, as Easter business on the whole was well up to expectations and a reaction is to be expected for a few days following holidays such as Easter when flowers are used in great abundance. Retailers bought rather conservatively and a little better than normal demand cleaned up their stocks almost entirely. The result was hardly so satisfactory for the wholesalers, though the surplus of good stock was not large as compared to last year. Rambler roses had a splendid call and the supply of potted lilies was barely sufficient to meet the demand, while a good many cut lilies were held over. All kinds of cut flowers are in good supply. Some fine specimens of American Beauties have appeared since Easter, also a good many short stems which are being sold at easy prices. Baby roses are being shown in abundance, and there is a little shading of prices, not to any extent, however, as the demand is fairly good. Cecile Brunner roses are more plentiful and prices are easier than they were a week ago. Tulips continue to bring good prices in face of bountiful supplies. Sweet peas and carnations are the weakest items at present, both being in ample supply, with only a moderate demand. The call for sweet peas is mostly for Spencers. Gardenias cleaned up well at Easter time and the supply has been limited since.

ST. LOUIS The market during the past week was in bad condition, demand slow, great quantities of everything, and prices lower than for the past six months. Prices were quoted in thou-

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Apr. 10 1915		First Half of Week beginning Apr. 12 1915	
Cattleyas.....	15.00	to 75.00	15.00	to 60.00
Lilies, Longiflorum.....	1.00	to 2.00	1.00	to 2.00
Rubrum.....	1.00	to 3.00	2.00	to 4.00
Lily of the Valley.....	1.00	to 2.00	1.00	to 2.50
Daisies.....	1.00	to 2.00	.....	to 1.00
Violets.....	.10	to .20	.10	to .20
Snapdragon.....	2.00	to 4.00	2.00	to 3.00
Narcissus, Paper White.....	1.00	to 1.50	.50	to 1.00
Freelias.....	.....	to 1.00	.....	to
Daffodils.....	.50	to 1.00	.50	to 1.00
Tulips.....	1.00	to 2.00	.50	to 1.00
Sweet Peas.....	.50	to .75	.50	to .75
Corn Flower.....	.....	to 1.00	.....	to 1.00
Gardenias.....	3.00	to 12.00	2.00	to 10.00
Adiantum.....	.50	to .75	.50	to .75
Smilax.....	6.00	to 10.00	8.00	to 10.00
Asparagus Plumosus, strings (per 100).....	35.00	to 50.00	15.00	to 35.00
& Spren (100 bunches).....	10.00	to 25.00	10.00	to 20.00

sand lots on which the down town retailers could hardly resist if only bought for show. Roses at \$10 per 1000—and good stock at that. Carnations \$7.50 per 1000. Sweet peas \$2 per 1000, and so on down the line. These conditions promise to continue this week from the looks of the market on this Monday morning, April 12.

WASHINGTON Florists are unanimous in the conviction that the Easter business of this year proved of greater success than for many preceding years regardless of all handicaps of competition and weather. Since Easter the mercury has been climbing and it is now like midsummer. This has caused an overproduction of flowers and added to the woes of this the public is demanding the use of the many spring blossoms such as forsythia and outdoor magnolias. There is absolutely no market for such flowers as American Beauty roses, snapdragon, and similar stock. Roses, carnations, sweet peas and bulbous flowers are absolutely without price, although some of the houses are endeavoring to keep the market more uniform. Lily of the valley holds its own, and this same applies to orchids and violets because of their scarcity, but aside from these, the bidder's offer is usually accepted.

VISITORS' REGISTER.

St. Louis—K. van Kleef, Boskoop, Holland.

Boston—Prof. D. Lumsden, Ithaca, N. Y.; Prof. J. H. Gourley, Amherst, Mass.

New Bedford, Mass.—L. D. Bryant representing A. H. Hews & Co., North Cambridge, Mass.

New Bedford, Mass., florists report business since Easter as having been good, using up satisfactorily the surplus from the stormy Easter.

Philadelphia—Fred Lautenschlager, representing Kroeschell Bros., Chicago; A. Leuthy, Roslindale, Mass.; W. C. Langbridge, Cambridge, N. Y.

Pittsburgh: Jos. J. Goudy, representing Henry A. Dreer, Philadelphia; W. F. Snyder, Edwards Folding Box Co., Philadelphia; Julius Dilloff, New York; C. Colyn, Holland.

Washington, D. C.—S. S. Skidelsky, Philadelphia, Pa.; Milton Alexander, New York; Julius Dilloff, with Schloss Bros., New York; I. Rosnosky, representing H. F. Michell Co., Philadelphia.

CREDIT PROTECTION.

HORTICULTURE Publishing Company:

Have just been reading Henry Penn's very interesting article in your columns entitled "The protection of credit." If all the retail florists held the same liberal and fair attitude towards the growers that Mr. Penn does, there would certainly be a wonderful improvement in the florist business. The question of credit is one of the most pertinent ones we have to deal with today. It is certainly an outrage the way unscrupulous dealers have failed up, pay their creditors little or nothing, and then start in business again. Such men are the greatest menace to our business. I think every fair-minded person will agree with Mr. Penn that the honest retailer has nothing to fear from a protective organization of growers. There is plenty of competition in our business today, and a man has to be a skilful grower and hard worker to make his business a success. He can ill afford the losses caused by failures which we have all too frequently.

Yours very truly,

ERNEST BOROWSKI.

Roslindale, Mass.

PERSONAL.

Alexander Cummings, who has been employed in the Ethelwyn greenhouses, Springfield, Mass., has gone to Elberon, N. J., to take a position as foreman on the Guggenheimer estate.

Dr. G. R. Lyman, formerly professor of botany at Dartmouth College, Hanover, N. H., was recently appointed pathologist of the Federal Horticultural Board, and will assist Mr. Beatrice, the pathological inspector of the board.

STUART H. MILLER WHOLESALE FLORIST

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Farquhar's Tuberous Rooted Begonias.
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\$18.00 per 100; \$150.00 per 1000

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Strong young plants from leaf cuttings,
May and June delivery. Secure your stock
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Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made.
Write for list. HOLTON & HUNKEL CO.,
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Bulbs of all descriptions. Write for prices.
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Send for Canna book.

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5000 King Humbert Cannas, \$2.00 per 100,
200 for \$3.50; also 50,000 seasonable shrubs,
vines, privet, etc., low. Send for list.
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Split carnations quickly, easily and
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Supreme Carnation Staples, for repairing
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The most popular Commercial and Ex-
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For several years we have been work-
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we offer for March and April delivery,
young thrifty plants from 2 in. pots, giant
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Send for Wholesale List of whole clumps
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John Wanamaker, Newest, Handsomest,
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FLOWER POTS

E. Allan Peirce, Waltham, Mass.
Peirce Paper Flower Pot.
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W. H. Ernest, Washington, D. C.
For page see List of Advertisers.

A. H. Hews & Co., Inc., Cambridge, Mass.
For page see List of Advertisers.

Hilfinger Bros., Ft. Edward, N. Y.
For page see List of Advertisers.

FUCHSIAS

Fuchsias—Black Prince, Speciosa, double purple and white, Rooted Cuttings, \$1.00 per 100; 2½ in., \$2.00 per 100.
W. J. BARNETT, R. D. 67, Sharon, Pa.

FUNGINE

Aphine Mfg. Co., Madison, N. J.
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GALAX

Michigan Cut Flower Co., Detroit, Mich.
For page see List of Advertisers.

GERANIUMS

R. Vincent, Jr., & Sons Co.
White Marsh, Md.
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Alonzo J. Bryan, Washington, N. J.
For page see List of Advertisers.

North Shore Nursery & Florist Co.,
Frank E. Cole, Mgr., Beverly Farms, Mass.
For page see List of Advertisers.

R. Brett, Islip, L. I., N. Y.
White Silver Leaved Geraniums Wanted.
For page see List of Advertisers.

Madame Sallerot, 2-inch, \$2.00 per 100.
WM. DOEL, Pascoag, R. I.

Geraniums, 3-inch strong plants, ready to pot up, S. A. Nutt, \$4 per 100. Cash.
CHAS. H. GREEN, Spencer, Mass.

GLADIOLUS

John Lewis Childs, Flowerfield, L. I., N. Y.
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A. Henderson & Co., Chicago, Ill.
For page see List of Advertisers.

Rowehl & Granz, Hicksville, L. I., N. Y.
For page see List of Advertisers.

MRS. FRANK PENDLETON.

Second and Third-size Bulbs. Write for Prices.

A. E. KUNDERD, R. 4, Goshen, Ind.

GLASS

Sharp, Partridge & Co., Chicago.
For page see List of Advertisers.

Parshelsky Bros., Inc., Brooklyn, N. Y.
For page see List of Advertisers.

Greenhouse glass, lowest prices. **JOHN-STON GLASS CO., Hartford City, Ind.**

GLASS CUTTERS

Smith & Hemenway Co., New York City.
Red Devil Glass Cutter.
For page see List of Advertisers.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
For page see List of Advertisers.

GREENHOUSE BUILDING MATERIAL

King Construction Co., N. Tonawanda, N. Y.
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Parshelsky Bros., Inc., Brooklyn, N. Y.
For page see List of Advertisers.

S. Jacobs & Sons, Brooklyn, N. Y.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.
For page see List of Advertisers.

A. T. Stearns Lumber Co., Neponset, Boston.
Stearns Cypress.
For page see List of Advertisers.

Lord & Burnham Co., New York City.

GREENHOUSE CONSTRUCTION

King Construction Co., N. Tonawanda, N. Y.
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Foley Greenhouse Mfg. Co., Chicago, Ill.
For page see List of Advertisers.

Hitchings & Co., New York City.
For page see List of Advertisers.

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.
For page see List of Advertisers.

Lord & Burnham Co., New York City.

GUTTERS

King Construction Co., N. Tonawanda, N. Y.
King Channel Gutter.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.
Iron Gutters.
For page see List of Advertisers.

HAIL INSURANCE

Florists' Hail Asso. of America.
J. G. Esler, Saddle River, N. J.
For page see List of Advertisers.

HARDY FERNS AND GREEN GOODS

Michigan Cut Flower Exchange, Detroit, Mich.
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The Kervan Co., New York.

For page see List of Advertisers.

HARDY PERENNIALS

Henry A. Dreer, Philadelphia, Pa.
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Bay State Nurseries, No. Abington, Mass.
For page see List of Advertisers.

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

Palisades Nurseries, Sparkill, N. Y.
For page see List of Advertisers.

HEATING APPARATUS

Kroeschell Bros. Co., Chicago.
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Lord & Burnham Co., New York City.

HOT-BED SASH

Parshelsky Bros., Inc., Brooklyn, N. Y.
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Foley Greenhouse Construction Co., Chicago, Ill.
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A. T. Stearns Lumber Co., Neponset, Mass.
For page see List of Advertisers.

Lord & Burnham Co., New York City.

HOSE

H. A. Dreer, Philadelphia, Pa.

INSECTICIDES

Benj. Hammond, Beacon, N. Y.
Hammond's Insecticides.
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Aphine Manufacturing Co., Madison, N. J.
Aphine and Fungine.
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Lemon Oil Co., Baltimore, Md.
Standard Insecticides.
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Nicotine Mfg. Co., St. Louis, Mo.
Aphis Punk and Nikoteen.
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Plantlife Co., New York City.
Plantlife Insecticide.
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Roman J. Irwin, New York City.
Nico Fume Liquid and Paper.
For page see List of Advertisers.

IRRIGATION EQUIPMENT

John Simmons Co., New York City.
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Geo. N. Barrie, Brookline, Mass.
For page see List of Advertisers.

IVY

English Ivy Rooted Cuttings, 75c. per 100, post paid. From soil 20 to 30 in., \$3.00. From pots 12 to 15 in., \$4.00. **CHAS. FROST, Kenilworth, N. J.**

LEMON OIL

Lemon Oil Co., Baltimore, Md.
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LILY BULBS

Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
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R. M. Ward & Co., New York, N. Y.
Japanese Lily Bulbs of Superior Quality.
For page see List of Advertisers.

Corp. of Chas. F. Meyer, New York City
Meyer's T. Brand Giganteums.
For page see List of Advertisers.

LILY OF THE VALLEY

Chas. Schwake & Co., Inc., New York City.
Hohmann's Famous Lily of the Valley Pips.
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McHutchison & Co., New York City.
For page see List of Advertisers.

Loechner & Co., New York City.
Lily of the Valley Pips.
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MASTICA

F. O. Pierce Co., New York City.
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MODERN IRRIGATION

J. P. Campbell, Jacksonville, Fla.
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NATIONAL NURSERYMAN

National Nurseryman Publishing Co., Inc., Rochester, N. Y.
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"NICO-FUME"

Roman J. Irwin, New York City.
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NIKOTEEN

Nicotine Mfg. Co., St. Louis, Mo.
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NIKOTIANA

Aphine Mfg. Co., Madison, N. J.
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NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
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W. & T. Smith Co., Geneva, N. Y.
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In writing to Advertisers kindly mention Horticulture

NURSERY STOCK—Continued

Bay State Nurseries, North Abington, Mass.
Hardy, N. Y. Grown Stock.
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Hobbs & Atkins, Rutherford, N. J.
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Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

New England Nursery Co., Bedford, Mass.
Hardy Planting Stock.

Choiceest lawn shrubs, covering plants and border perennials. Large stock. Prices low. Any quantity. Send for list.

WYOMANOCK NURSERIES,
R. T. Lebanon Springs, N. Y.

NUT GROWING.

The Nut-Grower, Waycross, Ga.
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ONION SETS

Leonard Seed Co., Chicago, Ill.
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Schilder Bros., Chillicothe, O.
Onion Seed—Onion Sets.
For page see List of Advertisers.

ORCHID FLOWERS

Jac. McManus, New York, N. Y.
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ORCHID PLANTS

Jullus Roehrs Co., Rutherford, N. J.
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Lager & Hurrell, Summit, N. J.

PALMS, ETC.

Robert Craig Co., Philadelphia, Pa.
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August Rolker & Sons, New York City.
For page see List of Advertisers.

PANSIES

225,000 large stocky (September transplanted) field-grown, blooming Pansy plants. Henry Mette's strain—all salable stock. Satisfaction guaranteed. \$1.00 per 100; \$10.00 per 1000. Cash. Prompt shipping. **BRILL CELERY GARDENS**, Kalamazoo, Mich.

PELARGONIUMS

R. Vincent, Jr., & Sons Co., White Marsh, Md.
Pelargonium Clorinda.
For page see List of Advertisers.

PEONIES

Peonies. The world's greatest collection. 1200 sorts. Send for list. **C. BETSCHER**, Canal Dover, O.

PECKY CYPRESS BENCHES

A. T. Stearns Lumber Co., Boston, Mass.
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PIPE AND FITTINGS

Kroeschell Bros. Co., Chicago.
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Perry, Buxton, Doane Co., So. Boston, Mass.
Second Hand Pipe.
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King Construction Company,
N. Tonawanda, N. Y.
Shelf Brackets and Pipe Hangers.
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PLANT AND BULB IMPORTS

Chas. Schwake & Co., New York City.
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August Rolker & Sons, New York City.
For page see List of Advertisers.

PLANT TRELLISES AND STAKES

Seele's Trellis Plant Stakes and Trellises. **H. D. SEELE & SONS**, Elkhart, Ind.

PLANT TUBS

American Woodware Mfg. Co., Toledo, O.
Tree Tubs and Brass Hoop Jardinieres.
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H. A. Dreer, Philadelphia, Pa.
"Riverion Special."
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RAFFIA

McHutchison & Co., New York, N. Y.
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RHODODENDRONS

P. Ouwerkerk, Hoboken, N. J.
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Framingham Nurseries, Framingham, Mass.
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RIBBONS AND CHIFFONS

S. S. Pennock-Meehan Co., Philadelphia, Pa.
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ROSES

Poehlmann Bros. Co., Morton Grove, Ill.
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P. Ouwerkerk, Hoboken, N. J.
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Arthur T. Boddington, New York City.
Hardy Roses.
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Robert Craig Co., Philadelphia, Pa.
For page see List of Advertisers.

W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
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Bay State Nurseries, North Abington, Mass.
For page see List of Advertisers.

August Rolker & Sons, New York City.
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W. E. Marshall & Co., New York City.
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Framingham Nurseries, Framingham, Mass.
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A. N. Pierson, Inc., Cromwell, Conn.
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Alex. Lister, Wenham, Mass.
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Rose Specialists.
THE CONARD & JONES COMPANY,
West Grove, Pa. Send for offers.

The best everblooming pink bedding rose Jonkheer J. L. Mock, strong 2-year-old bushes, 25c. each; \$2.50 per doz.; \$20.00 per 100. Special prices on larger quantities. **J. H. GOULD**, Middleport, N. Y.

SEASONABLE PLANT STOCK

R. Vincent, Jr., & Sons Co., White Marsh, Md.
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J. E. Felthousen, Schenectady, N. Y.
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Alonzo J. Bryan, Washington, N. J.
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North Shore Florist and Nursery Co.,
Beverly Farms, Mass.
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SEED GROWERS

Leonard Seed Co., Chicago, Ill.
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California Seed Growers' Association,
San Jose, Cal.
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Braslan Seed Growers Co., San Jose, Cal.

SEEDS

Carter's Tested Seeds,
Seeds with a Pedigree.
Boston, Mass., and London, England.
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Schilder Bros., Chillicothe, O.
Onion Seed—Onion Sets.
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Joseph Brock & Sons, Boston, Mass.
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Kelway & Son,
Langport, Somerset, England.
Kelway's Celebrated English Strain Garden
Seeds.
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J. Bolgiano & Son, Baltimore, Md.
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A. T. Boddington, New York City.
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Chas. Schwake & Co., New York City.
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Michell's Seed House, Philadelphia, Pa.
Asparagus Plumosus Nanus.
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W. Atlee Burpee & Co., Philadelphia, Pa.
For page see List of Advertisers.

R. & J. Farquhar & Co., Boston, Mass.
For page see List of Advertisers.

Thos. J. Grey Co., Boston, Mass.
Seeds for Present Planting.
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Leonard Seed Co., Chicago, Ill.
Peas, Beans, Radish and all Garden Seeds.
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J. M. Thorburn & Co., New York City.
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S. Bryson Ayres Co., Independence, Mo.
Sweet Peas.
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Loechner & Co., New York City.
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Ant. C. Zvolanek, Lompoc, Cal.
Winter Flowering Sweet Pea Seed.
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S. S. Skidelsky & Co., Philadelphia, Pa.
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August Rolker & Sons, New York City.
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Burnett Bros., 98 Chambers St., New York.
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Fottler, Fiske & Rawson Co., Boston, Mass.
Aster Seed.
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SKINNER IRRIGATION SYSTEM

Geo. N. Barrie, Brookline, Mass.
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SNAPDRAGONS

Thoroughly Tested Strains.

Silver Pink, Golden Fleece, Pure white (winter bloomer). Rooted cuttings, \$2.00 per 100; potted plants, 2-inch, \$4.00 per 100.

F. SOUTHWORTH,

25 Hudson St., Lynn, Mass.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. **LAGER & HURRELL**, Summit, N. J.

SPRAYERS

George N. Barrie, Brookline, Mass.
The Barrie Soap Sprayer.
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STOVE PLANTS

Orchids—Largest stock in the country—
Stove plants and Crotons, finest collection.
JULIUS ROEHRS CO., Rutherford, N. J.

SWEET PEA SEED

Ant. C. Zvolanek, Lompoc, Calif.
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S. Bryson Ayres Co.,
Sunnyslope, Independence, Mo.
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VENTILATING APPARATUS

The Advance Co., Richmond, Ind.
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The John A. Evans Co., Richmond, Ind.
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VERMICIDES

Aphine Mfg. Co., Madison, N. J.
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WIRED TOOTHPLICKS

W. J. Cowee, Berlin, N. Y.
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WIREWORK

Reed & Keller, New York City.
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**WILLIAM E. HEILSCHER'S WIRE
WORKS**, 264 Randolph St., Detroit, Mich.

WHOLESALE FLORISTS

Albany, N. Y.

Albany Cut Flower Exchange, Albany, N. Y.
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Baltimore

The S. S. Pennock-Meehan Co., Franklin
and St. Paul Sts.
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Boston

N. F. McCarthy & Co., 112 Arch St. and
31 Otis St.
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Welch Bros. Co., 226 Devonshire St.
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Brooklyn

Wm. H. Kuebler, 28 Willoughby St.
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Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.
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Chicago

Poehlmann Bros. Co., Morton Grove, Ill.
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Cincinnati

C. E. Critchell, 34-36 Third Ave., East.
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Detroit

Michigan Cut Flower Exchange, 38 and 40
Broadway.
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New York

H. E. Froment, 57 W. 28th St.
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James McManus, 105 W. 28th St.
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W. F. Sheridan, 133 W. 28th St.
For page see List of Advertisers.

P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.

Moore, Hentz & Nash, 55 and 57 W. 26th St.
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**WHOLESALE FLORISTS—Continued
New York**

Charles Millang, 55 and 57 West 26th St.
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W. P. Ford, New York
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The S. S. Pennock-Meehan Co., 117 West
28th St.
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Traendly & Schenck, 436 6th Ave., between
26th and 27th Sts.
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Badgley, Riedel & Meyer, Inc., New York.
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Woodrow & Marketos, 37 & 39 West 28th St.
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J. K. Allen, 106 W. 28th St.
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George C. Siebrecht, 109 W. 28th St.
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John Young, 53 West 28th St.
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M. C. Ford, 121 West 28th St.
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Guttman & Reynor, Inc., 101 W. 28th St.,
New York.
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Philadelphia

Leo, Niessen Co., 12th and Race Sts.
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Edward Reid, 1619-21 Ranstead St.
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The S. S. Pennock-Meehan Co., 1608-20
Ludlow St.
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Stuart H. Miller, 1617 Ranstead St.
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Richmond, Ind.

E. G. Hill Co.
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Rochester, N. Y.

George B. Hart, 24 Stone St.
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Washington

The S. S. Pennock-Meehan Co., 1216 H St.,
N. W.
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New Offers In This Issue**ANNOUNCEMENT TO THE RETAIL
TRADE.**

House of Flowers, Thorley, New York City.

HARDY PHLOX PLANTS.

Henry F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.

HOT BED SASH.

S. Jacobs & Sons, Brooklyn, N. Y.
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ROSE MRS. CHARLES RUSSELL.

S. S. Pennock-Meehan Co., Philadelphia, Pa.
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SHELF BRACKETS.

Metropolitan Material Co., Brooklyn, N. Y.
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SPENCER SWEET PEAS.

Arthur T. Boddington, New York City.
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THE ANGLE LAMP.

Globe Gas Light Co., Boston, Mass.
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WANTS, FOR SALE, ETC.

Advertisements in this column
one cent a word. Initials count
as words. Cash with order. All
correspondence addressed "Care
HORTICULTURE" should be sent
to 11 Hamilton Place, Boston.

SITUATIONS WANTED

SITUATION WANTED—By German,
middle aged, sober, steady man, hard
worker, on commercial or private place
as grower and landscaper. Twenty-five
years' experience, fifteen in old country,
ten in this country. Can come at once.
Please state wages in first letter. Address
"F. W.," care HORTICULTURE.

GARDENER—Scotch, 40, understands
Flowers, Vegetables, Fruit and Glass; no
liquors or tobacco. If you would like your
place kept neat, and plenty of fruit and
flowers, try me. McLENNAN, 62 Wolcott
St., Malden, Mass.

FOR SALE

FOR SALE—Fresh from factory, new;
10 x 12, 16 x 18, 16 x 24, double thick. A
and B qualities. Market dropped. Now is
the time to buy and save money. PAB-
SHELSKY BROS., INC., 215-217 Have-
meyer St., Brooklyn, N. Y.

TO LET

TO LET—Steam-heated store, suitable
for a florist, 369 Centre St., Jamaica Plain,
Mass.

Kindly discontinue my advertise-
ment in the classified ad. section of
HORTICULTURE, rendering bill to
date.

Yours is a very good advertising
medium. We have rid ourselves of
practically all our surplus stock, and
are therefore obliged to discontinue.

Very truly yours,

Mass.

A.

THE NUT-GROWER

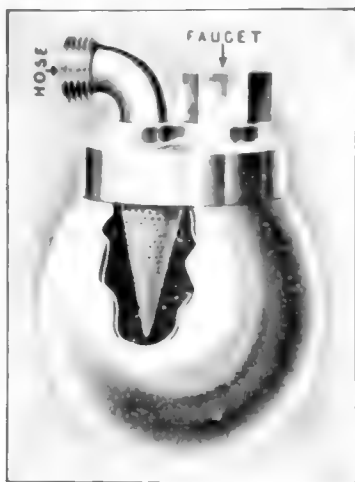
The unique monthly publica-
tion which furnishes reliable
and interesting up-to-date in-
formation regarding the value
of pecans and other edible nuts
and how to grow them for profit.

Subscription, \$1.00 per year

Sample Copy Free

THE NUT-GROWER
WAYCROSS, GA.

In writing to Advertisers kindly mention Horticulture



BARRIE SOAP SPRAYER

The Indestructible Sprayer with NO MOVING PARTS

It will apply any soap base insecticide, and will reduce the labor and cost of spraying in any greenhouse or garden **FULLY SIXTY PER CENT.** It offers a sure control of aphids, beetles, spider and plant lice of all kinds, and is of great benefit with thrips and scale.

Made of Brass, Nickle-Plated, Lasts Forever

PRICE, THREE DOLLARS --- Send for Circular

(Seed Houses should Write for Discount.)

GEORGE N. BARRIE, - Brookline, Mass.

CATALOGUES RECEIVED.

Henry F. Mitchell Co., Philadelphia. Bulletin of Specialties for Florists, for April, 1915. A good idea well carried out.

Henry W. Turner, Montebello, Cal.—Selected List of Superior Grown Roses. "The best of the old and a few newer varieties that are crowding for place."

Benjamin Hammond, Beacon, N. Y.—List of house and greenhouse paints, roof paints, etc., with charts showing actual colors of 48 kinds under name.

J. K. Alexander, East Bridgewater, Mass. Illustrated Catalogue and Cultural Guide for 1915. Devoted largely to dahlias, for which Mr. Alexander has a very wide repute.

M. D. Jones & Co., Boston. Garden, Lawn, Park and Cemetery Adornments. An interesting and timely illustrated list of lawn vases, fountains, bouquet holders, settees, sun dials, trellises, etc.

J. H. Troy, New Rochelle, N. Y.—Illustrated Catalogue of Hardy Roses, Deciduous Forest and Ornamental Trees, Conifers, Shrubs, etc., for Ornamental Planting. A handsome publication.

PUBLICATIONS RECEIVED.

The Carnation Year Book for 1915, published by The Perpetual Flowering Carnation Society of England. This publication, the official organ of this prosperous society, has just been received. It presents an interesting record of the work of the society during 1914, gives valuable lists of varieties registered all over the world and includes a number of instructive papers by men of wide repute in the carnation field. The editor is J. S. Brunton.

Bulletin No. 12 of the American Association of Park Superintendents, on "Concessions and Privileges in Public Parks," gives a summary of methods in operation in various American cities, with comments by members. John C. Olmsted of Brookline, Mass., Theodore

Wirth, Minneapolis, George Champion, Winnipeg, J. W. Duncan, Spokane, F. C. Alber, Cleveland, John McLaren, San Francisco, F. C. Steinhauer, Denver, E. T. Mische, Portland, Ore., and several others contribute interesting information.

RESERVOIR VASES.

M. D. Jones Co., of Boston, are making a specialty of "reservoir" vases for cemetery and lawn floral decorations. These vases are so constructed that after being once watered, the earth will keep moist a long time and yet



the roots of the plants do not come in direct contact with the water underneath, while there is still abundant room for soil and roots, a condition which other reservoir vases do not always provide for. The accompanying picture shows one of many patterns and sizes, all of which are described in the M. D. Jones Co.'s catalogue which may be had for the asking.

Horticulture Publishing Company:

Enclosed please find one dollar in payment of subscription for HORTICULTURE for one year. I take so many papers that I had thought of cancelling subscription for HORTICULTURE, but have finally concluded that I cannot do without it.

Very truly yours,

la.

J. S.

A NEW PASTIME.

Following a trail of uprooted valuable young trees in Riverside Park extending from 143d street to 146th street, Christopher McGuire, the park keeper, last night found Joseph Blake about to weed out a group of the most highly prized Japanese shrubs along Riverside Drive.

"Hi, there, what are you doing?" called McGuire.

"Just exercising my back a little," replied Blake, giving a tug to a particularly well-rooted bush. McGuire led him to a foot-thick young ash tree and suggested he haul on that until Patrolman Ornstein of the West 152d street station arrived.

When he was arrested Blake gave his home as under the trees and his occupation as a horticultural engineer. He was locked up charged with malicious mischief and intoxication.

Investigation showed that Blake had uprooted nearly thirty trees and shrubs. The damage was estimated as more than \$500. *New York Press.*

NEW CORPORATIONS.

Naperville, Ill.—Naperville Nurseries, capital stock \$12,000. Incorporators, Helene, Emma and Frederick Von Oven.

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January 14, 1915.



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Special Park Commission pamphlet No. 6, edited by City Forester Prost, of Chicago says: "Never whitewash your tree trunks, it plugs up the evaporating pores, thus injuring the health of the tree, is very unsightly and has no beneficial qualities that I know of. It is a violation of the tree ordinance."

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Trees increase the value of real estate.

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DESTRUCTIVE INSECTS INTERCEPTED.

News Letter No. 17, of the Federal Horticultural Board reports the finding of egg masses of the gipsy moth (*Porthetria dispar*) on cedars from Japan by B. B. Whitney and D. P. T. Macdonald, of California. Cocoons of the dagger moth (*Apatela auricoma*), family Noctuidæ, have been detected on numerous occasions on miscellaneous nursery stock by inspectors of Ohio, North Carolina and Nebraska. This insect, the larvæ of which appear to be general feeders, is reported to have a very wide distribution in Europe. Some 1,466 pear seedlings from France were found to be infested with the European pear scale (*Epidiaspis piricola*) by S. C. Clapp, of North Carolina.

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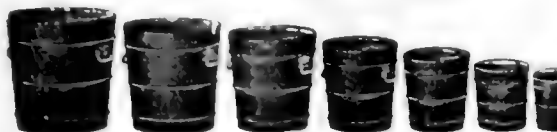
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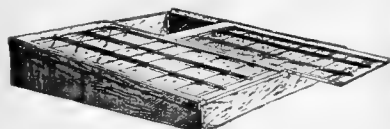
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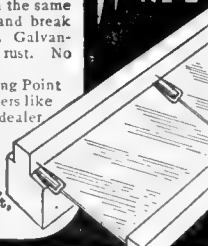
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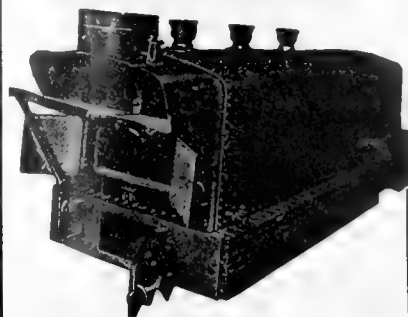
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Vol. XXI
No. 15
APRIL 24
1915

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NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil."—*Prope*.

Cattleyas

Hotter weather will necessitate more ventilation. Give walks and under the benches a more frequent damping. Water whenever the compost appears dry and spray overhead on bright days. Do not keep the shading too dense. Where it is possible shade with lath or canvas so they will have the benefit of the early morning sun and the late afternoon sun, as well as having full light on all sunless days. Keep the plants free from thrips and scale by sponging occasionally with a solution of nicotine extract and also give them a light fumigating once a week. Do not allow them to become scale or bug-ridden before giving attention.

Cibotium Schiedeii

These handsome ferns should always be given an elevated position so as to retain the graceful sweep of their fronds. During the spring they will need lots of moisture both at the roots and in the house. Give them sufficient ventilation and do not keep the house too humid as it makes them very soft. While these ferns like shade they do not want it too heavy. Shading, nine times out of ten, is overdone with all kinds of ferns. Where cibotiums are quite pot-bound now is a good time to give them a weekly liquid feeding. There is nothing better than cow manure, using about a bushel of cow manure in a barrel that holds about fifty gallons of water. Let it stand for about two days and if too strong dilute it some. They can get this about once a week.

Gloxinias

Plants that are coming into bloom should have a temperature of 60 degrees at night with a rise of 10 degrees during the day, but when the flowers are well opened they can be kept 10 degrees cooler. This will make the foliage firmer and the flowers will have greater durability. They should be given a light shade and so situated that they will get a requisite amount of air without draughts. Tubers that have been kept back but are now starting up naturally should be potted, using a mixture of two parts leaf mold and one part fibrous loam and some sand. Be very careful not to wet the foliage any more than is absolutely necessary when watering as they get scorched. The seedlings started early in the year will now be of good size for three-inch pots. These young plants can be shifted as they need it and will grow into nice plants by the late summer. Treat them throughout the season with shade but give plenty of light and moisture.

Propagating Crotons

Place the tall and lanky plants in a warm, close and moist house, and propagate them by mossing. Select the stem and denude of leaves for a distance of 2 or 3 inches. With a sharp knife make an incision upward in the wood of half an inch, and from one-half to one-third through. Place a little sphagnum in the incision to keep it open then put a small quantity of sphagnum about the size of an egg and tie it on. Encourage a moist atmosphere by damping down the house three or four times a day and give daily syringing over the plants to keep the moss wet. Keep the plants rather dry at the roots and in a short time they will be pushing roots through the moss. In about four weeks, under favorable conditions, the roots should be seen coming through the moss, when it is time to sever the tops from the parent plant and pot them and place in a frame where there is gentle bottom heat. Keep the atmosphere well charged with moisture. For a week or two they should be shaded from the sun and care exercised in watering. When the foliage is in no way limp and the plants have the appearance of sturdiness they should be taken out and placed on a bench in a house where the temperature can be maintained at 70 degrees at night.

Plants for Vases, Etc.

Many growers who have these receptacles to fill have only a vague idea as to the amount of stock required. Now is a good time to sum up. The florist who does a general retail plant business adjacent to town or near some leading cemetery, will have many vases to fill. For the center *Dracaena indivisa*, *Chamaerops humilis* or any of the Phoenix family. For trailers, *Vinca major variegata*, *Solanum jasminoides*, *Abutilon vexillarium*, nasturtiums, verbenas, German ivy and ivy-leaved geraniums and many others. If plants are required for a shady situation the following selection is good: fuchsias, begonias, *Cyperus alternifolius*, *Ficus elastica*, aspidistras, *Farfugium grande*, selaginellas and ferns. For centers use Phoenix *rupicola*, *Latania borbonica*, *Areca lutescens* and cordylines. For trailers use German ivy, tradescantias, Kenilworth ivy, and *Asparagus Sprengeri*. Where they will be exposed to the sun the following are very satisfactory: geraniums, coleus, ageratum, acalypha, petunias and dwarf nasturtiums. See that all climbing and drooping plants do not get tangled up.

Shading

All plants such as ferns, palms and foliage plants will now need a denser shade than heretofore. A moderately heavy shade will help to keep down the temperature: a gallon of kerosene to ten pounds of white lead makes a fine mixture to use as it withstands the weather and rains well.

Next Week:—*Adiantum*; Lorraine and Cincinnati Begonias; Carnations; *Ficus elastica*; Increasing Fern Stock; P.

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A very considerate winter

The condition of vegetation generally around Boston appears to be about normal thus far. Unless some severe freeze should yet interfere there will be a fair showing of wisterias. These climbers are still showing the effects of the two disastrous previous seasons in quantities of dead twigs and more or less irregularity in the presence of flower buds. *Prunus pendula* is just bursting into bloom and will make up for last spring's poor showing with the most bountiful display of flowers seen in many years. *Rhododendron Dahuricum*, after several seasons of scanty blooming, is a perfect cloud of lovely pink since April 15th. Even with its uncertainty this is one of the most desirable gems of early spring. Forsythias have never been better than at present and the suburbs are all aglow with the masses of golden bloom. *Rhododendrons* have come through the winter in first class condition—flower buds are unscathed and a glorious display of flowers is assured for early June. *Berberis aquifolium*, which suffers more or less injury to its foliage every year is unusually

free this year and will also blossom very heavily. *H. T.* roses have plenty of nice live wood and other things that always get killed back more or less are above the average almost invariably. Altogether, notwithstanding the light snowfall the winter has been unusually kind to the spring flowering shrubbery.

Time to advertise

That a large proportion of the florist and nursery firms growing material to sell to the trade are still weak and backward on the subject of advertising is a fact which is constantly brought home to any one having to do with the trade paper advertising business. Of all the many stereotyped explanations for unwillingness to advertise that which has the least to justify or commend it is the excuse that "business is so bad that I can't afford to advertise. When things are better you'll hear from me." It seems to us that the best time to advertise is when more business is needed and not necessarily when things are booming, but the logic of this proposition falls on deaf ears when tried on some. Persistency is one of the cardinal points that go to make up good advertising and good advertising always pays for itself. He who retrenches when trade is quiet on seasonable stock will surely have the unwelcome fact forced upon him that his more courageous and gamey competitor is forging ahead and making friends and customers whilst he has been standing idle and business once lost to an equally reliable competitor will not be easily regained. Advertising, co-operative or individual, can be made a strong factor in developing business for any occasion or special day but we would respectfully submit that the time of all times in which to invest in newspaper or trade journal publicity is when demand is low and business drags.

Activity on right lines

All well wishers of the horticultural industries must feel pleased and encouraged over the tone and sentiment which now begins to mark the planning for so many of the floral exhibitions. In the city of Lowell, Mass., for instance, they are just after pulling off a splendid exhibition into which the local florists and gardeners entered enthusiastically almost to a man simply on the initiative to advance the standard of their community in the matter of the embellishment of their homes and public grounds and to set before the general public an object lesson as to how their city may be made more beautiful and more desirable as an abiding place. Read the prospectus of the proposed New Orleans exhibition in this paper and note how the same spirit pervades it. There are others and there will be still more of them. The seed that has been sown and sown over and over again has begun to grow and at last the horticultural fraternity begins to see other and better uses for flower shows than simply to display superior cultural skill and win prizes. Experience, so far as it has gone, has also shown that the public are ready to join forces whenever and wherever they discern this new light. Beauty spots, which delight the eye and awaken esthetic taste, lawns and gardens, shrubbery and parks, and playgrounds are all born of the universal sentiment which, when once stirred into activity, is the foundation and mainstay of the great work in which florists, nurserymen and seedsmen and other more or less dependent allied industries are engaged. Every florist, who by force of example on his own property or in the exhibition hall, has helped to arouse public appreciation of these great gifts of nature and kindle a desire to possess them has not only been a party in a great philanthropy but has done material service for the prosperity of the business which yields him a livelihood.

A Rock Garden in Spring

To the enthusiastic lover of flowers there is a fascination about a well-planned rock garden or alpine collection, not exceeded by any other form of gardening. With a suitable location and material, charming effects may be produced and there is a perpetual infatuation in the work of caring for the dainty little occupants of such a work with its daily changing glow and rich diversity of form and color. A few good examples of rock gardening in a neighborhood will suffice to stimulate an immediate and rapid growth in popular favor, for their charm is irresistible for young and old.

The accompanying view shows a corner in the extensive rock and alpine garden on the Goodwin estate at Hartford which is under the management of that devoted and enthusiastic gardener, J. F. Huss. Pictures like this, unfortunately, very inadequately convey the beauty of the scene. On most estates there may be



found an appropriate place for the construction of such a delightful accessory to a well ordered flower garden.

An Encouraging Recognition

It is a very hopeful sign when the big influential newspapers of this country, notwithstanding the call upon their space and time, give the thought and the room to editorial notes such as the following. They have the true ring and give voice to the growing appreciation by the American people of all that the horticultural profession holds dear.

SAVE THE FLOWERS

This is the season of the year when everybody is eager to get out into the fields and the open country. It is the one best cure for spring fever. There is a period between the going of cold weather and the coming of warm weather when the inland woods and pastures are more inviting than are the beaches. It is in the good old summertime that there comes to us the greatest charm "out of the cradle endlessly rocking," along the wave-washed shores. This desire to make journeys afield comes just at the time when the spring flowers "do paint the meadows with delight." But, alas! this delight is likely to be short-lived if the flower-pulling vandal chances to pass that way to pick or pull up by the roots every stalk that bears a bloom or bud. He is anything but a lover of flowers who picks them by the bushel to wilt and be thrown away when they might have been allowed to glad the landscape and all who like himself fare forth to enjoy the charms of spring. But little more considerate than those who kill all the birds are they who pick and destroy all the flowers. Happier are they who can answer affirmatively Emerson's questions:

"Hast thou named all the birds without a gun,
Found the wood-rose and left it on its stalk?"

—*Boston Traveler.*

GOD MADE THE COUNTRY

Who in this great town can read the list of subjects they have been discussing at the farmers' institute in Horticultural Hall today and yesterday without longing for the country? One man talked of roses; another discussed pastures, those pastures which the country-bred poet had in mind when he wrote:

I lingered by the pasture bars
From twilight until gloaming;
Till daylight clustered into stars,
An through the clouds went roaming.

Still another told about sweet peas. And there was talk of co-operation among farmers, of pigs, of spraying fruit trees, of hardy flowers, of picture-planting on the lawn and commercial fertilizers.

As the wire edge of winter wears down to the softness of spring the call of the country becomes insistent. The desert that man has made and called a town may be good enough in winter. Then we see starved plants growing on ledges of the stony cliffs we call houses or hotels, as pathetic a sight as a 5-year-old girl in a public dance hall. They have no place there. The blasting winds of winter tear them to pieces and the blistering suns of summer burn the life out of them. But the country! That is the place for living. The green carpet of the earth gladdens the heart, and the sight of growing things that we have planted appeals to something fundamental in us which we deny at the peril of losing our best selves.

We are all farmers at bottom. Man made the town, and it is a splendid example of what man can do, leaving out the glory of the fecund earth. But God, after all, made the great outdoors that we know as the country.

—*Philadelphia Ledger.*

BOOM YOUR BUSINESS
by advertising your goods in the
Horticulture

Publicity among the kind of readers reached
by this paper is THE SORT OF PUBLI-
CITY THAT PAYS.

CLUBS AND SOCIETIES

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

This club held a very pleasant meeting April 20. H. Howard Pepper, of the Industrial Trust Co., Providence, R. I., gave an interesting talk on banking forms and methods under the title, "Tales of a Teller." He touched upon the various faults in the average man's business transactions and suggested their remedies.

A letter of sympathy was sent to Chas. Sander, gardener of the Sargent estate, Brookline, upon the death of his wife. E. J. Ovington, of Newton Centre, briefly explained the results of some experiments that are being made with the "Umetes" which he manufactures.

There were several exhibits on the tables which caused much favorable comment because of their quality. These included calceolias from A. M. Davenport, of Watertown; French hydrangeas, tulips, daffodils, poet's narcissi and a Cattleya hybrid from Faulkner Farm, Brookline; yellow marguerites from Ed. Winkler, of Wakefield; roses from Thos. Roland, Nahant; roses from Montrose Greenhouses; roses from W. H. Elliott, of Brighton, and a vase of Rhododendron praecox from Harvard University Botanic Garden.

The awards were as follows: A report of merit to W. N. Craig for cattleya hybrid, also for French hydrangeas; a vote of thanks to Thos. Roland for vases of roses; A. M. Davenport for calceolarias; Ed. Winkler for marguerites; Eber Holmes for roses; W. H. Elliott for roses; Robert Cameron for Rhododendron praecox.

NASSAU COUNTY HORTICULTURAL SOCIETY.

The regular meeting of the Nassau County N. Y.) Horticultural Society was held Wednesday evening, April 14. The euchre and dance held on April 8 was reported to have been a success in every way. It was agreed to hold three flower shows during the coming season—Rose Show, in the week of June 6; Dahlia Show, October 7; Fall Show, October 28 and 29.

Special prizes for the fall show were received from the following: Hitchings & Co., W. E. Marshall & Co., Stumpp & Walter Co., Vaughan's Seed Store, Pino-Lyptol Co., John Wilk, Weeber & Don, Burnett Bros., Bon Arbor Co., Harry A. Bunyard Co., J. M. Thorburn Co., Peter Henderson & Co., C. H. Totty, Julius Roehrs Co., Lord & Burnham Co., Pierson U-Bar Co., Cottage Gardens Co., Carter's Tested Seeds Co., F. Edmonds, W. R. Kinnear, Rev. J. W. Gammack, E. M. Underhill and Kohler Bros.

Frank Honeyman was awarded first prize for the best vase of roses. Prizes for next meeting will be for three heads of lettuce, three heads of cauliflower and vase of outdoor flowers.

JAMES GLADSTONE, Cor. Sec.

S. A. F. 1915 CONVENTION GARDEN.

At the last meeting of the convention committee of the Pacific Coast Horticultural Society, Daniel MacRorie, for the Committee on Convention Garden, reported that the commissioners of the Golden Gate Park had kindly consented to allow the Society of American Florists a portion of the park for a Convention Garden. The site chosen is admirably adapted for the purpose. The commissioners did not limit the Society of American Florists to space, making it possible for exhibitors to make their displays as liberal as they may desire. Florists, seedsmen, nurserymen and gardeners from all parts are invited to exhibit. The care of the Convention Garden will be in charge of John McLaren, superintendent of Golden Gate Park, San Francisco, thereby assuring exhibits of the best of care and attention.

We would advise intending exhibitors to eliminate sub-tropical plants, such as cannas, etc., as they do not thrive well in San Francisco, on account of our cool climate. Dahlias, gladioli, etc., make a grand showing when planted here the first week in May. All other plants that like a cool climate do remarkably well.

A flat rate of 10c. per square foot will be charged for the upkeep of exhibits. Applications for space and further particulars may be had by addressing Daniel MacRorie, 432 Phelan Building, San Francisco. Address all exhibits to John McLaren, Golden Gate Park, San Francisco, express prepaid.

PACIFIC COAST HORTICULTURAL SOCIETY.

The Pacific Coast Horticultural Society held its regular monthly meeting on the evening of April 10th. The principal speaker was Prof. Babcock of the University of California, who delivered a lecture on "Plant Breeding," illustrated by stereopticon views. The members were notified that a movement has been started for a fall flower show, which in all probability will develop into an elaborate affair if the co-operation of the Exposition can be obtained as seems likely at the present time. Plans for the convention of the Society of American Florists were the subject of considerable discussion and it was evident from the reports that the committee are getting down to work. W. A. Leslie was admitted to membership in the local society, and three new members were added to the exhibit committee in the persons of Messrs. Illings, Fotheringham and Pos. The exhibits were particularly good, including Rhododendron Pink Pearl, a specimen six feet through, said to be the largest ever shown on this coast. It was shown by the MacRorie-McLaren Co., and was rated at 95 points. Frank Pelicano had a display of cut tulips, rated at 80 points; nephrolepis Smithii from H. Plath took 80 points; E. Gill's display of outside Irish Fire Flame roses took 75 points.

NATIONAL FLOWER SHOW.

At a meeting of the National Flower Show Committee, held on March 1-2 last, in Chicago, in conjunction with a meeting of the Executive Board of the Society of American Florists and Ornamental Horticulturists, Chairman George Asmus, of Chicago, and Secretary John Young, New York, were instructed to raise a guarantee fund of \$10,000 to cover the National Flower Show to be held in Philadelphia in March, 1916, and contribution blanks for this purpose are now being distributed from the secretary's office. It may be stated that at previous National Shows the guarantors not only were reimbursed to the extent of their actual contributions, but received a substantial share of the profits.

While the sum mentioned could, no doubt, be raised in and around Philadelphia, it was the thought of the committee that the fund should be national in character and represent every section of the country. The forthcoming show in Philadelphia promises to eclipse everything previously attempted in flower shows in America, and it goes without saying that it will result beneficially to the trade at large.

The committee also would esteem donations of special prizes, the same to be offered under the names of the donors. Anyone disposed to offer a special prize, should, if possible, select the subject for his award from the preliminary schedule, thus relieving the obligations to the prize fund to the extent of the value of the donation.

FLORISTS' CLUB OF WASHINGTON.

At the April meeting of the Florists Club of Washington, D. C., the members had as their guests Senator William E. Chilton, of West Virginia; Richard Vincent, Jr., of White Marsh, Md., and Richard Matthews, who is the chief of detectives of Liverpool, England, and who came to this country on official business.

The feature of the evening's entertainment was a motion picture exhibition and victrola concert. In a short talk, I. Goldsmith, a talented entertainer, made as the target for a series of "knocks" several of those present, and in an interesting manner Mr. Vincent outlined his plans for the formation of a dahlia society. In view of the extensive entertainment provided all except the most important items of business were dispensed with. Fred H. Kramer reported that the banquet committee was busily engaged with plans for that event.

Refreshments were served during the evening and others of the members made short talks.

GLADIOLUS SHOW AT ATLANTIC CITY.

The American Gladiolus Society has decided to hold two exhibitions of Gladioli this year, one at Newport on August 18 and 19, as announced, and an additional one at Atlantic City from August 26 to August 29, inclusive. The latter exhibition is intended for the benefit of the growers and dealers, as Atlantic City in Au-

gust presents the unusual opportunity of drawing up to 100,000 people a day to a show. No schedule will be required for the second show, but a series of medals may be offered by the society for the most noteworthy exhibits. The Royal Palace Casino, situated directly on the boardwalk and surrounded by the ocean from three sides, has been secured and it will prove not only a daylight hall but the atmosphere for an August day will be made delightful both to the flowers and the public.

The American Gladiolus Society is desirous of making this exhibit the foremost national floral event of 1915, and wants every grower (large or small) to be represented with an exhibit. Every possible assistance will be given by the committee in charge to those who live distances away, with information, guidance, accommodations for hotels, etc.

Exhibitors will be allowed to book all the business they can; in fact, the sole purpose of the exhibit is to boost the American Gladiolus for the American garden and thereby help the American grower to fight foreign competition, which has before this caused much concern to the American grower.

For further information address the chairman of the Special Exhibition Committee, Maurice Fuld, 1 Madison avenue, New York City.

COMING EVENTS.

Shows.

New York, N. Y., May 8-9.—Exhibition of Hort. Soc. of N. Y. in Bot. Gd., Bronx. (The March and April shows will be omitted.)

San Francisco, Cal., June 4.—American Sweet Pea Society's special show in connection with the Exposition.

Newport, R. I., July 8-9.—Annual show and meeting of American Sweet Pea Society, in connection with Newport Garden Assoc. and Newport Hort. Soc.

Lenox, Mass., July 27-28.—Summer exhibition of Lenox Horticultural Society.

Orange, N. J., Oct. 4.—Tenth Annual Dahlia, Fruit, Gladioli and Vegetable Show of N. J. Floricultural Society. Geo. W. Strange, Sec., 84 Jackson St.

New York, N. Y., Nov. 3, 4, 5.—Annual Chrysanthemum Show of the American Institute, Engineering Societies Building.

New York, N. Y., Nov. 4-7.—Annual Autumn exhibition of Hort. Soc. of New York, Museum of Natural History.

Cleveland, O., Nov. 10-14.—Annual show and meeting of Chrysanthemum Society of America. Chas. W. Johnson, Sec., 2226 Fairfax Ave., Morgan Park, Ill.

Meetings.

Dobbs Ferry, N. Y., April 24.—Dobbs Ferry Horticultural Society, Odd Fellows Hall. B. Harms, Sec., Dobbs Ferry.

Newark, N. J., April 25.—Wein, Obst & Gartenbau Verein, 15 Newark St. Peter Caille, Sec., 111 Avon Ave., Newark.

Baltimore, Md., April 26.—Gardeners' and Florists' Club of Baltimore, Florists' Exchange Hall, St. Paul and Franklin Sts. Noah F. Flitton, Sec., Gwynn Falls Park, Sta. F, Baltimore.

Norwich, Conn., April 26.—New London County Horticultural Society, Buckingham Memorial. Frank H. Allen, Sec., 321 Main St., Norwich, Conn.

Providence, R. I., April 26.—Florists' and Gardeners' Club of Rhode Island, Swartz Hall, 96 Westminster St. Wm. E. Chap-pell, Sec., 333 Branch Ave., Providence, R. I.

Newport, R. I., April 26.—Newport Horticultural Society, Music Hall. Wm. Gray, Sec., Bellevue Ave., Newport.

San Francisco, Cal., June 23-24.—American Seed Trade Association.

Detroit, Mich., June 23-25.—Annual convention of Amer. Ass'n of Nurserymen.

Fort Worth, Tex., July 6-7.—Texas State Florists' meeting.

DURING RECESS

CAMPING ON BUSTIN ISLAND. CASCO BAY, ME.



Seated—Wm. M. Miller. Standing—A. G. Pembroke, Paul E. Richwagen, H. W. Vose, Geo. H. Noyes. Front—Ed. Rokean, Allen Sim, James Miller.

The above picture, suitably framed and mounted on a neat rustic stand is to be presented to William M. Miller in remembrance of a very enjoyable vacation spent last summer at his camp. Mr. Miller is an old-time florist of Lynn, Mass., and his host of friends will be glad to see him so hale and hearty. His camp at Casco Bay is a unique place, crowded with curios and souvenirs. The interior furnishings are made entirely of birch bark. The other members of the group in the picture are Boston friends in the trade, who are presenting this picture to him.

LANCASTER COUNTY FLORISTS' CLUB.

April 15th, 1915, will be entered in the minutes of this club as a red letter day if the secretary does his duty.

In place of a regular meeting the night was given over to a committee consisting of Ira B. Landis, J. Rutter Hess, Wade Galey and Chas. B. Herr, with instructions to have Ladies' Night and ladies' night it was in the full sense of the term.

Mine host McGonemy of The Stevens House was the caterer, the committee and decorators and about an even fifty of the florists and their wives or sweethearts the guests.

The menu was toothsome and the decorations were the prettiest and most elaborate of anything ever attempted in this city. The music was by Rothe's Orchestra, and Mr. Savage sang several solos. Miss Katherine Seifert of the B. F. Barr Co. sang several solos and a duet with Mr. Savage and Miss Amanda Landis of The Millersville Normal School gave a series of recitations.

D. J. Keohane, of the H. F. Michell Co. was the only out-of-town representative of the trade with us and the way in which he joined in with Alonzo Peters and Rudolph Nagle in Singing "Heighle Heighlo" showed him to be a

good sport. Rodney Eshleemann lead the singing between courses and at the end of the banquet the writer presented the following resolutions:

In view of the fact that the Children's Gardens had so much pleasure out of our donation of seeds for their use last season, I move that the club appropriate double the amount this season and give one-half to the Children's Gardens and one-half to the Public School Gardens. This resolution was passed unanimously.

About midnight the party dispersed with the hope that another Ladies' Night would be a thing of the near future.

PERSONAL.

Fred Reynolds of New Bedford, Mass. is spending a two weeks vacation in Vermont.

Frank L. Gray of Post & Gray New Bedford, is spending a few days in Winchester, Mass.

Last Saturday night John C. Ruten-schwer of Cincinnati was the victim of a highwayman who in true frontier fashion relieved him of \$75 while on his way home from market.

John Haas, a former well-to-do florist in the Third Ward, West Hoboken, N. J., has been committed to the county jail by Recorder Kuttler for observation as to his mental condition upon the recommendation of Town Physician Older. It is believed he is now a mental wreck.

Robert Hunnicks left San Francisco on April 20 for New York via Panama Canal, on the Pacific Mail steamer Peru, after a tour of six months in California, staying four months in Santa Barbara and then Los Angeles, Pasadena, San Diego and San Francisco. His health is much improved.

Taxing Salesmen, Agents, Canvassers or Corporations Who Go Into a State From Outside

Two classes of readers will be interested in this article: (1) the jobber or the manufacturer who sends salesmen or agents into other States, or employs salesmen or agents residing in those States, and (2) the local merchant who must often compete with those agents. There is a constant warfare going on among these elements. The local towns and boroughs, urged on by the local merchants, is always attempting to tax the salesman or agent who comes in from outside, and if the concern employing the salesmen or agents is a corporation, the State itself will endeavor to tax it, on the ground that while it is a foreign corporation, it is doing business within a State other than its own, and is therefore subject to the tax.

Two well-established legal principles govern all these cases: 1, if the salesman or agent which the local borough is trying to license or tax is doing business which can be called interstate commerce, then he cannot be taxed by the local borough, because neither local borough nor towns nor cities can interfere with or tax interstate commerce.

The second legal principle is that if the foreign corporation, too, is doing an interstate business and not a resident business, it cannot be taxed by the State.

Hundreds of cases are daily being decided under either one or the other of these principles, and nearly all of them are interesting far beyond the ordinary law suit. Take the Jewel Tea Co. case, a Missouri case. This would represent the law all over the United States because it was brought in a United States court. The Jewel Tea Co. is an Illinois concern and employs agents and canvassers who build up trade or routes among consumers in other States. One of these agents was canvassing in Lee's Summit, Mo., and his methods were as follows: The agent canvassed from house to house in Lee's Summit for orders for future delivery of teas and coffees. The orders taken were mostly for half-pound and pound lots. He forwarded the orders to the company at Chicago giving the quantities only, not the names of the purchasers. At Chicago the company put up the goods in small packages according to the quantities ordered, so as to permit of exact delivery to each purchaser without breaking. On each package was marked its price, but not the name of the purchaser. The packages were then put into a large box or other receptacle and shipped by freight to Lee's Summit; the company being both consignor and consignee. When the shipment arrived at Lee's Summit the agent received it,

opened the box or container, had it hauled around on a dray, delivered the packages unopened to those who had given the orders, and collected payment for them on delivery. At the same time he solicited further orders. He made the rounds about twice each month, and by other canvassing endeavored to increase the trade. The agent remitted the moneys collected to the company at Chicago. He had no financial interest in the business save his salary, which was paid from that city. Occasionally a purchaser would refuse to accept and pay. In such case the package intended for him was sent to a branch house of the company at Kansas City, Mo., but all the goods delivered in Lee's Summit were shipped directly there from Chicago in the way described.

The local merchants of Lee's Summit, seeing this man's trade increasing—for all the trade he got he took from them—put it up to the city of Lee's Summit to tax him and the city attempted to do it. He resisted and the case got into the United States Court. The court decided that the agent could not be taxed by Lee's Summit, because the business he was doing was interstate commerce—the orders, while gotten in Lee's Summit, were forwarded to Chicago, filled there and shipped from there to the purchaser. No stock was kept in Missouri.

So the agent can go on exasperating the local dealers of Lee's Summit or any other community where the business is done in the same way. The case books are full of cases where a local community, for the protection of its own merchants, has tried to impose a tax on some outsider who came in and took away the trade, but the tax has always been held unconstitutional, if the business done by the outsider was shrewdly handled so that it became interstate business. Some of these cases have gotten up to the United States Supreme Court, but the decision has always been the same.

Salesmen traveling in Pennsylvania, let us say, for a New York house, merely obtaining orders which they forwarded to the headquarters of their house, to be filled and shipped from there, are never subject to local taxation. Nor is the house which employs them liable to tax by the State into which they go. That is not doing business within the State, in a legal sense.

Not long ago a corporation whose headquarters were, I think, in New York, sold some goods to the whole sale dealers of Massachusetts and then sent out salesmen among the customers of those wholesalers to get orders and move the goods. It was the old plan of getting orders from retailers and turning them in to some jobber. A town in which one of these salesmen worked imposed a license tax upon him and his house refused to pay it and took it to court. The defense was that the business for which the salesman was working was interstate business, but the court thought differently. "The business," said the

court, "is the business of providing business for wholesalers, and partakes in no respect of interstate commerce. The fact that a natural result may be to increase the sales of the manufacturing corporation is an immaterial circumstance. It is too remote from the actual business of its salesmen to constitute interstate commerce."

So the manufacturing corporation was compelled to pay a license tax for all of its men who solicited orders from retailers to be turned through jobbers.

Brief reference to a third case may be interesting. A concern incorporated outside of New York consigned its goods to merchants within that State. Contracts were made with the merchants to that effect and these were sent on to the company's headquarters to be approved. The New York merchants sold the goods on installments, took their own installment contracts and turned them over to the corporation outside. The latter holds title to the goods until the full price is paid. An effort was made to tax the company on the ground that it was doing business in New York State, but the court decided it was interstate commerce.

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Elton J. Buckley.)

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HORTICULTURE PUBLISHING CO.

147 Summer Street, Boston, Mass.

HORTICULTURE INDISPENSABLE

The following examples of many approving letters received at the office of HORTICULTURE during the past few weeks, show why HORTICULTURE is so valuable as an advertising medium. Intensive circulation is HORTICULTURE'S best quality and practically every reader is a possible customer for the advertiser.

Gentlemen:—Last week's HORTICULTURE is not received. Have you scratched me off your list, or what is the matter? Appreciate your paper more than any of half a dozen I am receiving, and don't want to miss any copies. Will you please investigate?

Yours truly,
Missouri. A. B. K.

Gentlemen:—It is getting late in the season and we wish to discontinue the advertisements which we carry in your paper. We would say that the advertisements which we have carried in your paper have brought us good results, and we feel that the money so expended was well invested.

Yours truly,
Standard Thermo Company,
S. C. LORD, President.

Kindly discontinue my advertisement in the classified advertisement section of HORTICULTURE, rendering bill to date.

Yours is a very good advertising medium. We have rid ourselves of practically all our surplus stock, and are therefore obliged to discontinue.

Very truly yours,
Mass. A.

"HORTICULTURE is grand. Keep it up."
San Jose, Cal. B.

Dear Horticulture:

We can't keep house without you, and you can't travel without money, therefore I enclose money order to keep you coming for 1915.

Yours admiringly,
Iowa. E. S.

Here is my dollar for the 1915 trip with HORTICULTURE. HORTICULTURE is all right.
New York. P. F.

Enclosed is post office order to pay for HORTICULTURE two years more. I like HORTICULTURE very much and hope to read it many more years.
N. Y. S. F.

One of the many good features of HORTICULTURE is, that those who contribute to its columns always "say something" when they write. I take this opportunity to offer sincere congratulations. "May your shadow never grow less."

Sincerely yours,
New York. P. F.

Editor Horticulture:

Dear Sir — Enclosed please find \$1.00, my subscription to your valuable paper for another year. Cannot do without it.

Conn. O. A. H.

"HORTICULTURE is the finest paper under the sun."
New Jersey. A.

Dear Sirs — Enclosed please find one dollar for another year of the HORTICULTURE. My time is not up yet, but it won't be long. All I can say about your paper is that it is the best of its kind, and I read them all.
R. I. J. B.

Enclosed are two dollars in payment for your very valuable paper. I find its contents timely and instructive.

Sincerely,
Conn. C. S.

Gentlemen:—My paper did not arrive as usual on Saturday. It is all I have to look forward to each week; do not allow that to fail me. Kindly send one along at express rate.

Yours truly,
N. J. G. W.

Gentlemen:—Will you please discontinue my classified gladioli advertisement now running in your paper? I am sold out of nearly all varieties, especially those called for by your readers, and hope to have as good success with you next year.

Yours truly,
Mass. R. W. S.

When Writing to Advertisers Please Mention Horticulture

Adorning Old New York

Window Boxes.

On the top of the old Second Avenue Square and Greenwich Village are to bloom, with a myriad of colorful plants on May Day. The window boxes in those squares are to burst forth in floral beauty and set an example for the rest of the city. Mr. Willard Dryden Paddock, wife of the sculptor, of 82 Grove street, who is in a pretty old time house in the village, as Chairman of the Committee on Flowers of the Greenwich Branch of the Woman's Municipal League, has undertaken the task of inviting the residents of the two squares to begin the work, and they have responded enthusiastically. Butchers, bakers, saloon keepers, livermen, people in apartment houses, and people in tenements have received the idea joyfully, and all that part of Greenwich Village is now engaged in making green boxes in order that not a window will present a blank spot in the beautiful whole. If there are any in the section whom Mrs. Paddock has accidentally missed in her round of flower visits, she asks them to join in the movement.

"It costs so little," says Mrs. Paddock, "and the result is so satisfactory. The effect of plants everywhere makes the city so much more livable for the people. The flower box movement will radiate from our two squares through

the streets around, and we hope that other parts of the city will follow our example. Let a few people who were first to have furnished the boxes. May Day we have set as the day we will be in the pink of condition, and we invite the whole city to come and see how lovely we are." *N. Y. Times.*

Flower Market.

Greenwich Village is to have its own public flower market just like those in Paris. Permission to have push carts laden with plants and bunches of blooms there has been granted by the city, so Mrs. Willard D. Paddock, of No. 62 Grove street, said yesterday. Mrs. Paddock is a member of the Greenwich Village branch of the Woman's Municipal League, which has started a window box movement.

The market will be held certain days of the week and during school hours so that the push cart men and the flower women will not have the small Greenwich Village boy to contend with. The flowers will be sold at reasonable prices, and it is hoped by those back of the movement to have uptown friends come to Greenwich Village to purchase their floral decorations and gifts.

Sheridan square and Christopher square have been chosen for the flower market places. These squares are near together and just west of Sixth avenue. Mrs. Paddock says she hopes the market movement will be copied by women living in other districts.

—*N. Y. Herald.*

Summer Gardens.

Within a few weeks summer gardens will be established in the city which will be looked after by young men, this being their first step toward learning the art of gardening. As a result of several lectures which were delivered at the recent Flower Show, officers of the New York Florists' Club and the Horticultural Society has discussed this plan, and several informal meetings have been held. Among those who are interested in the plan are Theodore A. Havemeyer president of the society; Mrs. Belmont Tiffany, Mrs. E. H. Harriman, Mrs. Chauncey Depew, Mrs. Arthur Scott Burden and Mrs. Rudolph Erbsloh.

Max Schling, of 22 West Fifty-ninth street, a member of the society and a flower grower, has promised the support of several florists. Within a short time work will be started on an estate near Bronxville.

—*N. Y. Tribune.*

MAY FLOWERING TULIPS.

(See Cover Illustration.)

The long-time favorite single early tulips will still retain their popularity in the embellishment of the spring garden but the Darwin and Mayflowering section is coming rapidly to the front as the crowning glory of the tulip race, as every seedsman and bulb house have reason to know. There is a stateliness and refinement in their unrivalled velvety art-tinted flowers, borne on tall erect stems, which is simply irresistible and which no other denizen of the spring show beds can dim. The demand for these bulbs in this country is evidently only in its infancy, so to speak, and its future dimensions no one can begin to estimate.

British Horticulture

A Noted Orchid Collection.

Orchidists are looking forward with interest to the dispersal of the famous collection of orchids belonging to the late Joseph Chamberlain. This collection was one of the most numerous and comprehensive in the country, and represented many years' careful work and outlay. At Chamberlain's auction sale this month 3,000 plants are to be offered. At a time when everyone is economizing it hardly seems an appropriate period for a sale of this character.

A Carnation Election.

T. A. Weston, secretary of the Perpetual Flowering Carnation Society, has lately published in the "Journal of Horticulture" the result of an election of carnations he has recently conducted. The voting of the experts resulted in the following twelve market growers' varieties being placed at the head of the list: May Day, White Wonder, Triumph, White Enchantress, Mrs. C. W. Ward, Enchantress Supreme, Scarlet Glow, Lady Northcliffe, Enchantress, Winsor, Beacon, Mikado and Champion. As regards the novelties introduced since Jan., 1913, the first six were: Champion, Gorgeous, Scarlet Carola, Pink Sensation, Princess Dagmar and Philadelphia.

W. H. Adsett.

BUSINESS TROUBLES.

Worcester, Mass.—Carl O. Everberg, florist, is a petitioner in bankruptcy. He owes \$10,255 and has \$1890 assets.

Little Ads Bring Big Returns

Little ads. in our Classified Columns bring big returns to both advertiser and purchaser.

Anything that can be sold to florists, gardeners, park and cemetery superintendents, etc., can be sold through this medium in this department, and at very small cost. Don't fail to read them each issue, for you will find one or more that will prove profitable to you.

They Cost Only One Cent A Word Undisplayed

Kindly discontinue my advertisement in the classified ad. section of HORTICULTURE, rendering bill to date.

Yours is a very good advertising medium. We have rid ourselves of practically all our surplus stock, and are therefore obliged to discontinue.

Very truly yours,

Mass.

A.

Gentlemen:—Will you please discontinue my classified gladioli advertisement now running in your paper? I am sold out of nearly all varieties, especially those called for by your readers, and hope to have as good success with you next year.

Yours truly,

Mass.

R. W. S.



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"Trees, Shrubs, Vines and Herbaceous Perennials": a book which bids fair to become a classic in its field.

With its 410 pages packed full of garden lore, its 60 beautiful full-page sepia photos and its comprehensive planting list it is a genuine contribution to the literature of Horticulture.

An Ideal Gift

The edition is almost exhausted. We've picked up a limited quantity which we can let our readers have for \$1.50. Send cheque or money order; we'll forward the book postpaid.

Horticulture
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HARDY ROSES

Anne de Diesbach. Bright carmine.
 Ball of Snow. Large, pure white.
 Baroness Rothschild. Satiny pink.
 Capt. Christy. Flesh color, deepening to center.
 Duke of Edinburgh. Bright vermillion.

Earl of Dufferin. Rich velvety crimson.
 Frau Karl Druschki. The finest white in existence.
 Georg Arend. The Pink Frau Karl Druschki.

Gen. Jacqueminot. Brilliant crimson.

Price, 75 cts. for 5 (of one variety), \$15.00 per 100, \$110.00 per 1000.

Marshall P. Wilder. Cherry rose and carmine.
 Magna Charta. Dark pink; one of the earliest Roses to grow.
 Mme. Gabriel Luizet. Light, satiny pink.
 Mrs. Sharman-Crawford. Deep, rosy pink.

BABY RAMBLERS

Madame Norbert Levavasseur. Crimson. Catharine Zeimet. White. Mrs. W. H. Cutbush. Intense crimson. Baby Dorothy. Pink. Per bundle of 5, 85 cts.; \$16.00 per 100.

TUBEROUS ROOTED BEGONIAS

SINGLE-FLOWERING

Crimson, Scarlet, Rose, Pure White, Salmon, Light Pink, Yellow, Salmon, Orange, Copper or Mixed, all colors.

Bulbs, 1 1/4 in. diam. and up..... Doz. 100 1000
 \$0.35 \$2.25 \$20.00

DOUBLE-FLOWERING

Crimson, Scarlet, Rose, Pure White, Salmon, Yellow, Light Pink or Mixed, all colors. Doz. 100 1000
 Bulbs, 1 1/4 in. diam. and up..... \$0.50 \$3.50 \$30.00

FANCY-LEAVED CALADIUMS

English Collection, the cream of the best sorts. Doz. 100
 Extra fine bulbs in 12 varieties..... \$2.25 \$15.00
 Brazilian Collection of 12 varieties..... 1.50 12.00
 Mixed Brazilian Varieties..... 1.25 10.00

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WHEN TREES AND SHRUBS BLOOM.

To give the approximate Saturdays when the various trees and shrubs are to be in blossom a calendar has been compiled from various sources, which should prove of value to visitors to the Arnold Arboretum. The dates in the following schedule are not the earliest when a single blossom can be seen, but when they may be said to be in blossom.

Of course, the blooming of many extends over a long period, as in the case of forsythia, and the date of blooming is likely to vary several weeks in different years. The forecast for this season may be a week or more early or later than the actual date. No mention is made in the list of most of the willows and alders, as April 3 was their tentative date; likewise April 10 was mentioned for poplars in general, peach, red maple and elms. Other dates in the calendar are:

April 17—Birches, earliest magnolias (foreign), spice bush (benzoin), leatherwood (dirca), forsythia.
 April 24—Earliest foreign cherries, including Sargent's (Japanese).
 May 1—Shadbush, late willows, earliest lilacs, sugar maple, Norway maple, sycamore maple.
 May 8—Fothergilla, cherries, pears, moosewood maple.
 May 15—Apples, redbud (Judas tree), early cornels, American magnolias, most lilacs.
 May 22—Horsechestnut, early thorns, later lilacs.
 May 29—Earliest syringas (Philadelphus), flowering dogwood (Cornus florida), sheepberry, thorns, late lilacs.
 June 5—Late cornels, laburnum, viburnums, syringas, latest lilacs, early rhododendrons.
 June 12—Cone-bearers (pines, etc.), smoke tree, rhododendrons, azaleas, laurel, fringe tree, sumachs, yellowwood (Virgilia).
 June 19—Locust, catalpa, late syringas, later rhododendrons.
 June 26—Linden, mountain maple (ripening of shadbush and cherries).
 July 3—Chestnut, late elder.
 July 11 and after—Sophora, kolreuteria (bladder-nut), witch-hazel in the late fall; Japanese witch-hazel in December, or possibly not until February of next year.

NEW CORPORATIONS.

Broadview, Mont.—Broadview Seed Co., capital stock, \$20,000. Incorporators, Thomas S. Hunt, M. I. Warden and M. J. Kastenholz.

Cleveland, O.—The Connors Co., florists, capital stock, \$10,000. Incorporators, J. T. Sweeney, Patrick and Wm. D. Connors, S. E. Spitz and Fred E. Wirtshafter.

THE FRAMINGHAM NURSERIES

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FINE STOCK OF
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Largest assortment in New England. Evergreens, deciduous trees both common and rarer varieties. Sturdy, choice stock that can be depended upon. Send for catalog and special trade prices.

The Bay State Nurseries
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SHRUBS

This New England soil and climate produces fine sturdy shrubs. Special trade prices. By the thousands, hardy Native and Hybrid Rhododendrons—transplanted and acclimated. Let us estimate.

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Disposes of anything in the way of green goods at their sales at

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Try us out. Prompt returns

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 Enclosed please find one dollar in payment of subscription for HORTICULTURE for one year. I take so many papers that I had thought of cancelling subscription for HORTICULTURE, but have finally concluded that I cannot do without it.
 Ia. J. S.

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Official organ of the American Association of Nurserymen. Circulation among the trade only. Published Monthly. Subscription price \$1.00 per year. Foreign subscriptions \$1.50 per year. In advance. Sample copy free upon application from those in the trade enclosing their business card.

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Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens and Roses.

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SEED TRADE

AMERICAN SEED TRADE ASSOCIATION

Officers—President, Lester L. Moran, San Francisco, Calif.; First Vice-President, J. M. Lupton, Mattituck, L. I.; Second Vice-President, E. C. Dungan, Philadelphia, Pa.; Secretary and Treasurer, C. E. Kendel, Cleveland, O.; Assistant Secretary, S. L. Willard, Jr., Cleveland, O.

Business Booming.

There has been a marked improvement in retail business during the past ten or twelve days, and at the present time there are not enough hours in the day to complete each day's work, and the principal houses are from one to two days behind in their orders.

The wholesalers report that the past week has set a new record in the matter of fill-in orders. If the present high pressure continues until June 1st the volume of business will doubtless be equal to that of last year, and the majority of clerks and principals will be almost physical wrecks.

Obnoxious Legislation.

We are just advised of a new menace to the seed trade fathered by the ignorant and reactionary canning element of Wisconsin. This is an amendment to the Wisconsin seed law requiring every package to bear a label stating per cent. of germination, trueness to name, purity, grower's name, where grown, year grown and many other features equally obnoxious. The canners themselves have been complaining vociferously against restrictions placed upon them by State and Federal laws, and it looks very much as if it was a case of "misery likes company." The conditions demanded in this amendment are of such a character, that no person who is both honest and intelligent would suggest or indorse them. To require the placing of a label on each package stating per cent. of germination and purity, may be a debatable proposition, but to demand to know where the seedsman secures his seed, the name of the grower, or even the year of growth, is something which no honorable, intelligent man would ask for. On this last point the canners today are fighting a ruling of the Department of Agriculture requiring them to date all of their cans. They contend that the food in the can is just as good a year old as when first packed, but that popular prejudice would militate against the buying of tins showing that the contents had been packed any considerable length of time. Yet in the face of this, they are demanding of the seedmen, what they are so strenuously fighting themselves.

It is hoped that the seed trade will make a strenuous fight to kill this measure. If the canners who are its advocates could show wherein they have suffered in the past any material damage by the absence of these conditions in their dealings with seedsmen of recognized reputation and re-

putation, there might be some force to their argument, but we do not believe that it is profitable for them to do so.

For several years an element among the Wisconsin canners have been at war with the seed growers, and have been sending baseless complaints. As a rule those who have made the loudst complaints have not bought seed and pea seed is the great bone of contention—from reputable growers, but have procured it from farmers without any knowledge of pea seed growing, or have raised it themselves from the same degenerate seed stock as that used by the farmers. Their quarrel, therefore, should be with the farmers from whom they buy, rather than from the seed growers with whom they have had little or no dealings. The character and quality of the seed produced by most of the Wisconsin farmers is so well known, both among the canners and the seed trade, that the term "farmer's seed" is recognized everywhere as a term of reproach. In plain words these canners are endeavoring to hold the seed growers responsible for their own mistakes and follies, and it is a significant fact, that outside of this element in Wisconsin above referred to, there is little or no complaint against seed growers in any other part of the country.

Of course we do not mean to assume that mistakes have not been made by the seed growers, even the best of them, but they are few and far between, and are usually not of a character to vitally affect the pack. No system ever devised, but breaks down occasionally. We have devoted considerable space to this matter as a large number of our readers have extensive dealings with the canners of the country, and we know they will be vitally interested in any issue of this character.

Notes.

Sedalia, Mo.—The T. Culley Commission & Seed Co. has been purchased by Fred J. Kreisel, formerly of the Archias Seed Store.

Value of horticultural imports into New York for the week ending April 10 is given as follows: Fertilizer, \$10,946; clover seed, \$217; grass seed, \$3,284; trees and plants, \$40,031.

Chicago The Leonard Seed Co.'s main office on Kinzie street, was visited by burglars the night of April 13th. No large sums of money are kept here, it being the custom of this firm to pay in checks and only a small sum for emergencies is kept on hand. The wisdom of this was shown when the robbery occurred. The safe was banked with bags of grain from the upper floors and then blown open. About \$200 were taken.

CATALOGUES RECEIVED.

Peter Henderson & Co., New York. "Everything for the Lawn and Golf Course." The title tells the story exactly.

American Forestry Company, Boston 1915 Spring Price List of American-Born Evergreen and Deciduous Trees, grown at the Little Tree Farms of America, South Framingham, Mass.

MICHELL'S PRIMULA SEED

PRIMULA CHINENSIS Chinese Primrose

	1/2 Tr.	Tr.
Mitchell's Prize Mixture. An even blending of all colors.	\$0.00	\$1.00
Alba Magnifica. White.	.60	1.00
Chiswick Red. Bright red.	.60	1.00
Duchess. White with zone of rose carmine, yellow eye.	.60	1.00
Holborn Blue.	.60	1.00
Kermesina Splendens. Crimson.	.60	1.00
Rosy Morn. Pink.	.60	1.00

PRIMULA OBCONICA GIGANTEA

A great improvement over the old type, flowers much larger.

	Trade Pkt.
Lilacina. Pale blue.	\$0.50
Kermesina. Deep crimson.	.50
Rosen. Pink.	.50
Alba. White.	.50
Hybrida Mixed.	.50

PRIMULA MALACOIDES

Lilac. Tr. Pkt.	\$0.50
Alba. White. Orig. pkt.	.20
Rosen. Light rose to carmine rose. Orig. pkt.	.15

ASPARAGUS PLUMOSUS NANUS SEED

Northern Greenhouse Grown

1000 Seed....	\$3.50	5000 Seed....	\$15.50
10,000 Seed.	\$30.00		

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1000 Seed....	\$2.50	5000 Seed....	\$12.00
10,000 Seed.	\$23.00		

ASPARAGUS HATCHERII

100 Seed....	\$1.00	500 Seed....	\$3.25
1000 Seed.	\$6.00		

ASPARAGUS SPRENGERII SEED

1000 Seed....	\$0.75	5000 Seed....	\$3.00
10,000 Seed.	\$5.50		

LATEST WHOLESALE CATALOG AND PRICE LIST, FREE FOR THE ASKING.

HENRY F. MICHELL CO.

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PUBLICATIONS RECEIVED.

Western New York Horticultural Society—Proceedings of the Sixtieth Annual Meeting held at Rochester, January 27-29, 1915. A 234-page book full of interest to the grower of nursery and orchard stock in New York State and corresponding latitudes.

Massachusetts Horticultural Society. Transactions, Part 11, for the Year 1914. In addition to the reports of the various committees, a series of photographic views of the leading estates of Lenox, Mass., visited by the garden committee in 1914, add interest and practical value to this report.

The Blue Book of Bulbs, 1915. Chester Jay Hunt, Montclair, N. J.—A treasury of information concerning the garden beauty of the spring flowering bulbs. It is a "cream quality" list and is the "last word" as to the advancement and development of this important class of garden decorative material.

The Preliminary Premium List of the Chrysanthemum Society of America has been received. The exhibition will be held November 10 to 14, 1915, inclusive, at the Coliseum, Cleveland, Ohio, under the direction of the Ohio Horticultural Society, Cleveland Florists' Club and Cleveland Garden Club as previously announced in these columns. Copies of the schedule may be had by addressing Frank A. Friedley, Secretary Exhibition Committee, 356 Leader Building, Cleveland, Ohio.

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The great value of Tuberous Rooted Begonias for Lawn Beds and Borders is appreciated owing to the continuous production of large and gorgeous flowers.

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FLOWERFIELD, L. I., N. Y.

When writing to advertisers kindly mention *HORTICULTURE*.

GLADIOLUS

	100	1000
Blushing Bride	- \$0.75	\$6.00
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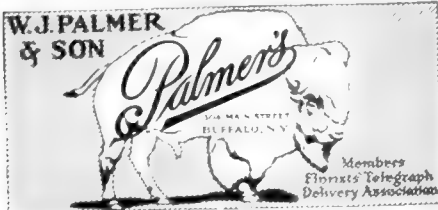
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ANDERSON service means fresh, sturdy stock, and prompt deliveries in BUFFALO, LOCKPORT, NIAGARA FALLS and WESTERN NEW YORK.

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Of Interest to Retail Florists

MOTHER'S DAY.

The florist plays an active and important part in forming the sentiment of Mother's Day. Within the last few years the idea has spread rapidly supported by churches, schools, the press, and the public.

Aside from the economic benefit secured which cannot be related, the florist trade has been a most potent factor in support of this movement. The trade has been accused of a gross commercialism behind its support of Mother's Day. This is unfortunately true in some cases. But it is safe to say that the number of ethical persons in our trade average fully as much as in any other class of business or society. It has been the good fortune of the florist to be in a position where he could most advantageously aid this institution. Its pleasing sentiment appeals just as strongly to the right-thinking florist as it does to the general public who buy his flowers. By giving much publicity to Mother's Day propaganda, in connection with his business, the florist has aided materially in its success. No manufactured article or other emblem could as effectively symbolize Mother's Day as flowers, despite the protests of the Mother's Day Int. Ass'n, who claim that the florists of the country have diverted the purpose of the movement from its original channels.

Experience has taught me that to confine all efforts to white carnations only on Mother's Day will eventually breed infinite trouble and may so react as to defeat the original purpose. There is not enough special significance about the white carnation that would warrant the exclusion of all other white and colored flowers. If we were to push the white carnation exclusively, the increased demand would necessarily result in increased, perhaps prohibitive prices, and thus defeat our aims and those of the Mothers' Day Association. By widening the field to all flowers and all colors, they may be secured cheaply and at the same time create a fair distribution of the day's business among all classes of growers.

The churches and schools can do the most effective work in popularizing the Mothers' Day movement. Let every florist co-operate with the church and schools, and circulate the idea among the different societies in town.

It is hardly necessary to speak at any length of newspaper publicity or of co-operative advertising by the florists. Call up the best newspaper in town and get the editor and advertising manager started. If you can get the mayor to issue an official proclamation, so much the better. A good idea for this and similar occasions is to prepare a rubber stamp announcing the Day, to be used on all statements, letters, etc., sent out several days beforehand. Some florists make a practice of advertising in the newspapers two or three days ahead, as a reminder besides the regular advertisement the day before.

The Telegraph Delivery system is a feature that works particularly well on these occasions. An appropriate window display at such times will explain this method of reaching the

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High Grade Cut Blooms

We cover all Michigan points and good sections of Ohio, Indiana and Canada. Members Florists' Telegraph Delivery Association.

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Member F. T. D. A.



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St. Boston—Thos. F. Galvin, 1 Park St.

Boston—Penn. the Florist, 37-43 Brom-

field St.

Buffalo, N. Y.—S. A. Anderson, 440 Main

St. Buffalo, N. Y.—Palmer's, 304 Main St.

Chicago, Ill.—Schiller the Florist, George

Asmus, Mgr.

Chicago William J. Smyth, Michigan

Ave. and 31st St.

Cleveland, O.—J. M. Gasser Co., Euclid

Ave.

Cleveland, Ohio—Adam Graham & Sons,

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New York—Young & Nugent, 42 W. 28th.

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New York—Max Schling, 22 W. 59th St.

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New York—Myer, 609-611 Madison Ave.

New York—A. T. Bunyard, 413 Madison

Ave.

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Omaha, Neb.—Hess & Swoboda, 1415

Farnum St.

Rochester, N. Y.—J. B. Keller Sons, 25

Clinton Ave., N.

St. Louis, Mo.—Fred C. Weber, 4326-28

Olive St.

St. Paul, Minn.—Holm & Olson, Inc.

Tarrytown-on-Hudson, N. Y.—F. R. Pier-

son Co.

Toronto, Can.—J. H. Dunlop, 96 Yonge

St.

Washington, D. C.—Gude Bros., 1214 F

St.

Washington, D. C.—F. H. Kramer, 915

F St., N. W.

Westerly, R. I.—Reuter's.

Worcester, Mass.—Randall's Flower Shop,

3 Pleasant St.

"folks at home." Make your window

suggest the occasion and the senti-

ment and if you do that the flowers

will find a ready sale.

Brother florists, make the most of

Mothers' Day, but don't "kill the goose

that lays the golden eggs." Endeavor

to increase the demand for other flow-

ers besides white carnations and you

will receive but few complaints of ex-

orbitant prices being asked. The Day

deserves support whether you are a

florist or a coal-dealer. But as a flor-

ist you cannot help but see its ad-

vantage, commercially and ethically.

It comes in a happy time of the year,

when flowers are plentiful and "green

things are a-growing,"—and business

is a bit slack

Henry Penn

Penn The Florist

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96 Yonge St., - - TORONTO, ONT.

NEWS ITEMS FROM EVERYWHERE

BOSTON.

The Garden and Florists' Club of Boston will hold a social picnic at Cunningham Park, East Milton, July 22.

Thos. Clark, of Boylston street, has taken his son into the business. A Ford truck has been added to the delivery equipment of the firm.

No information has been received concerning Wm. S. Grassie, of Waverley, who disappeared from his home a couple of weeks ago. It is rumored that he was in some financial trouble.

Cattleya Mossiae is extremely popular with local florists just now. Growers of this prime favorite have fine crops of this variety coming in, for which they are finding a ready market.

Kamayama & Serada of North Cambridge, have opened up another retail store, in addition to their present greenhouse business in N. Cambridge and a store in Claremont. N. H. Bedding plants are now crowding every foot of space in the greenhouses.

Some specialties noted in the market this week are snapdragons from R. P. Peterson, Framingham; Spanish iris from Kidder Bros., of Lincoln, and from Herman Waldecker, of Braintree; calendulas from A. G. Lake, of Wellesley Hills, and double bachelor's buttons from L. E. Small, of Tewksbury.

Three hundred members of the unemployed went to work last week on the Convention Garden in the Fenway, grading and filling the many individual flower plots and the setting of 609 lilacs that were taken from the Jamaica way.

The department is prepared to spend in the first allotment \$5,000 that has been contributed to the city treasury by department heads in obeying the order of the mayor to turn back 5 p. c. of their salary. The mayor hopes, however, that public-spirited citizens will appreciate the great possibilities for floral displays at this spot and contribute money to make the garden the equal of last year at least. It is stated that several citizens will co-operate with the park and recreation department by offering money when it is needed. The Garden constitutes an additional drain on the park department as all other garden work is to be kept up the same as usual. The Public Garden, in particular, will lose none of its attractiveness by reason of the Fens experiment.

NEW ORLEANS.

New Orleans will have a flower show May 6 to 9 inclusive, in connection with the "city beautiful" campaign. The New Orleans Horticultural Society in charge of the show announced these dates after conferring with representatives of the Federation of Women's Clubs and the Athenaeum has been chosen as the place for the show.

The meeting of the horticultural society at which the general plan was adopted was held Tuesday night, April 13. A canvass of the membership present indicated that space at the show would be in great demand. The last general meeting before the show will be held April 29. President Chopin indicated in his remarks that the show would likely be made an annual affair, especially if the popular support develops to the extent promised.

The show will not be limited to florists only. Dealers in baskets and allied objects which could be considered at the same time with flowers will also be accorded space. Certain of the city's schools will also likely use some space for exhibits of the flowers grown by the students.

Mayor Martin Behrman has named a new Audubon Park Commission, acting under authority given him by the last session of the State Legislature. As soon as the new board is established a hundred thousand dollars, to be realized from the sale of bonds already authorized, will be available for improving the park, most of this money going for artificial waterways. The horticultural hall, a temporary structure built for the New Orleans Exposition of 1884, and containing some of the finest plant specimens on the continent, will likely be provided for by the new board; either it must be rebuilt or torn down. To rebuild would cost approximately \$25,000. Should it be decided to tear the old building down a smaller greenhouse will likely be erected in some other part of the park.

SAN FRANCISCO.

John and Donald McLaren have just returned after a trip to Redlands, Los Angeles and San Diego.

A wild flower show was held in Oak Park, Cal., recently, when several hundred children entered bouquets and designs. The members of the City Park Board acted as judges.

The florist trade is more or less interested in the passage of a bill by the California Senate prohibiting boys and girls under 14 years of age from selling flowers, newspapers or periodicals on the street.

The plans of the city beautiful committee of the Woman's Council of Sacramento, Cal., for the beautification of the city during the coming summer months will no doubt stimulate interest in flower growing very noticeably. Twelve cash prizes are offered.

CHICAGO.

Michael Fink has been ill for several days suffering from the grippe.

Harry Rowe has turned the lease of his wholesale and retail stores over to Kyle & Foerster, and will take for his own use the store one door south, formerly occupied by J. B. Deamud.

Among the recent visitors to Chicago was Charles Hornecker of East Orange, N. J., on his way home. He sailed from New York and made his way to San Francisco via the Panama Canal, returning overland.

A. Lange's stand in the new Stevens Building was opened a week ago and now begins to near its completion. It is in the arcade close to the elevators and within easy reach of the main salesroom. It will be fitted with all conveniences necessary to carry on a large business and is in charge of one of Mr. Lange's most competent men, A. Hall.

C. F. Bargholtz, who has a retail flower store at 3916 N. Clark street, is missing. On April 12th he left his store for the purpose of depositing something over a hundred dollars in the bank and has not been heard from since. His business had been regarded as in a good condition and he is a man of good habits. The police are trying to find out what has become of him.

Chicago florists are having more than their share of misfortunes this spring. With the violent death of Mr. Weil at the hand of former employees for the purpose of securing the money from his Easter sales and the disappearance of C. F. Bargholtz and his money as he went to the bank, the whole trade has been greatly shocked. The streets are full of the unemployed and the carpenters' strike is adding to a bad situation.

J. Bohanan's venture on State street, under the name of the Flower Market, is watched with more or less interest by his fellow florists. He rented a store temporarily vacant and sells flowers at a fraction of what they are sold at his regular store only a block away. He is drawing a crowd and helping clear the market of stock, but it does not appear how much money he is making or the effect it may have later on his regular customers.

F. F. Benthley, who is in a good position to judge the new roses says that it is an evidence of the appreciation that the new roses are meeting, that they sell, when the older ones remain unsold during dull weeks. An example is found in the records of sales since Easter. Ophelia and Mrs. Russell have sold, though at a reduction, it is true, when Killarney and other of the older sorts have been an impossibility.

The fate of Mother's Day sort of hangs in the balance this year. It will either be given an impetus that will place it on the list of special days for florists here in Chicago, or it will go back to the oblivion from which it

was dragged a year ago. Pretty boxes and pretty folders and considerable sentiment expressed with printers' ink have not in a marked degree brought about the general use of flowers on Mother's Day. The wearing of one flower, no matter what its significance, never has been popular in Chicago, but if the idea can be diverted to a box of flowers or a basket of flowers or plants, the day may be saved. The inauguration of the mayor and other city officials has caused many floral tributes to be sent to the city hall, in years past. But this year it is whispered that there is something unusual to be expected with the going in of a new administration, after so many years under the old. The firms having the orders are keeping quiet but Monday the big event will take place.

PITTSBURGH.

James J. Higgins is at his home in Philadelphia where he was called owing to the death of his mother last Sunday. Mr. Higgins is the designer for Mrs. E. A. Williams, and has the sympathy of the many friends and associates made during his residence in Pittsburgh.

"A Clinic for Sick Plants" has just been announced as one of the attractions for the flower festival to be conducted each day during the big benefit bazaar for the Homeopathic Hospital on April 29 and 30 and May Day. Floral experts will tell how to make and keep plants well, and will answer all questions pertaining to plant culture. Mrs. William Alvah Stewart is chairman of the flower committee, which will also supervise the selling of flowers, plants, bulbs, trees and shrubs at reasonable prices.

The beautiful grounds of Michael C. Benedum have been terraced and the driveway bordered with a Rose of Sharon hedge under the supervision of Frank Murphy, who recently left Randolph & McClements to take charge of this estate. Mr. Murphy is also contemplating an addition to the greenhouse, which is now used mainly for supplying the Italian rose garden and foliage plants and geraniums for the grounds. Mr. Murphy is a young man and a "home product," who has made a promising start on the road of success.

In-as-far as social patronage has been concerned the past week has been one of hit or miss, the plums of

the post-Lenten season's society decorating falling to a favored few scattered here and there. The week has also been marked by a perceptible drop in funeral work, occasioned possibly by the improved weather conditions interfering with the scourge of pneumonia, which has exacted an unusual death-toll this year. While the cut-flower output is fair, prices are low; daffodils made their first appearance at the wholesale houses last Tuesday, and the East End lawns and suburban lawns are now abloom with forsythia and dogwood. Landscape and bedding work promises to be unusually good this season.

WASHINGTON, D. C.

George W. Hess is extremely gratified in the manner in which the general public has accepted his invitation to visit the Botanic Gardens on Sundays, for the crowds there to be seen each week have broken all records. Mr. Hess declares that the gardens serve to incite a greater love for flowers and works for the benefit of the commercial growers. Special exhibitions are given periodically, during which some particular variety is featured. An invitation is extended to florists from other cities while viewing the sights of the National Capital to include the Botanic Gardens in their itinerary.

A medicinal drug plant farm on a large scale has been established on the Virginia side of the Potomac River which, it is contended by those in charge, will go far toward revolutionizing the trade in such plants and the channels of supply. The scheme had its inception when the Department of Agriculture commenced the production of drug plants on the Arlington experimental farm, which it owns. John B. Henderson, Jr., having taken a scientific interest in the matter, turned over his land to those in charge for a long period of years and the work is progressing. Forty-five acres of land are being planted this year and it is planned to increase this acreage next year. At the Botanic Gardens there is a special display of all types of drug plants, but naturally in view of the limited space there, no attempt would be made to raise them for commercial propagation.

NEWS NOTES.

Lynn, Mass.—Mrs. Geo. E. Libbe is dangerously ill with dropsy.

New York.—H. E. Froment has moved from 57 to 148 West 28th street, where he has the benefit of a large and more commodious salesroom.

Sing Sing, N. Y.—John A. Qualey, former lawyer and swindler and boss of the "high brow" political party of the inmate government of Sing Sing prison, has given up the job of handling correspondence, it developed yesterday, and has become the prison horticulturist.

He has taken charge of the greenhouse and is overseeing the raising of carnations, pansies, roses and other hothouse flowers which are ordinarily used in the warden's home, prison office and hospital. Warden Thomas

Mott Osborne transferred the former lawyer, who swindled Mrs. W. T. Bull, widow of the noted surgeon, at his own request.

Albany, N. Y. — There are several wholesale florists who would like to know the whereabouts of Louis Garanzales, a Greek, who conducted a florist shop at 8 South Pearl street a few days before Easter. Louis has been missing since Easter Sunday and he has left a lot of unpaid bills behind, ranging in amounts from \$50 to \$204. These bills were for Easter flowers. It is said that Louis never expected to pay these bills for the simple reason that he sold all his flowers way below cost, much to the displeasure of Louis Lacaris, the Arkay florist, and former partner.

Garanzales and Lascaris were partners for only a few weeks when there was a general kick-up and the former decided to get out. He made threats of starting an opposition store, it is said, but as there were no places vacant at the time he failed to keep his threat until a week before Easter. The store that was formerly occupied by Moe Ettinger, clothier, needed a tenant and Garanzales saw a chance to pick up some change. He had no money but his father's name was good and he stood back of his son.

Father and Louis went to the wholesale florists of the city and arranged for the furnishing of the store with everything in the Easter line from azaleas to tulips. From the start the low prices of Garanzales appealed to the Albanians and they flocked to his store with the result that it was soon cleaned out. There was no time to pay the bills and so the father's name was used again in stocking up. Now the question arises—will the father who went his son's security be made to pay up. He conducts a peanut stand and it is not believed has enough money to pay his son's debts.—*Albany Telegram.*

NEW FLOWER STORES.

West Toledo, O.—Harry Turvey.

Ashtabula, O.—Harbor Floral Co., 197 Bridge St.

Chicago — Leonard Beckers, 2558 Wrightwood Ave.

Hudson, N. Y.—Forest Flower Shop, Grover Neibergall, proprietor.

Sharon, Pa.—Edward Farrelly, Orpheum Bldg., succeeding Welch & Hall.

Indianapolis, Ind. — Hoosier Floral Co., Delaware St., W. W. Woslen, proprietor.

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Hand-woven, soft, durable, comfortable. Good as the South American Panama but cooler, lighter, more dressy. Direct from maker to you \$1.50 postpaid. State size and send money order. Money refunded if you are not perfectly satisfied. Very stylish for Ladies this year. MARTIN LOPEZ & CO., P. O. Box 148, H 4 San German, Porto Rico. Reference: Bank de Economias, San German.

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Moths, Beetles, etc., mounted on pins for floral decorations of every description. Largest stock in America. Write for prices.

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AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE
SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED**226 Devonshire Street,****Boston, Mass.****WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY**

	CINCINNATI April 19	CHICAGO April 19	BUFFALO April 19	PITTSBURG April 19
Roses				
Am. Beauty, Special.....	2.00 to 2.50	2.00 to 2.50	2.00 to 2.50	2.00 to 2.50
" " Fancy and Extra.....	1.50 to 2.00	1.50 to 2.00	1.50 to 2.00	1.50 to 2.00
" " No. 1.....	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Killarney, Richmond, Extra.....	5.00 to 6.00	5.00 to 6.00	5.00 to 6.00	5.00 to 6.00
" " Ordinary.....	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00
Hillingdon, Ward, Sunburst, Extra.....	5.00 to 6.00	5.00 to 6.00	5.00 to 6.00	5.00 to 6.00
" " Ordinary.....	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00
Maryland, Radham, Taft, Extra.....	5.00 to 6.00	5.00 to 6.00	5.00 to 6.00	5.00 to 6.00
" " Ordinary.....	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00
Russell, Hadley, Ophelia, Mock.....	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Carnations, Fancy.....	2.00 to 2.50	2.00 to 2.50	2.00 to 2.50	2.00 to 2.50
" " Ordinary.....	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Cattleyas.....	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Lilies, Longiflorum.....	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
" " Rubrum.....	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Lily of the Valley.....	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00
Daisies.....	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Violets.....	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Snapdragon.....	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Iris.....	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Freesias.....	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Daffodils.....	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Tulips.....	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Sweet Peas.....	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Corn Flower.....	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Gardenias.....	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Adiantum.....	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Smilax.....	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Asparagus Plumosus, Strings (100).....	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
" " & Spreng. (100 bchs.).....	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50

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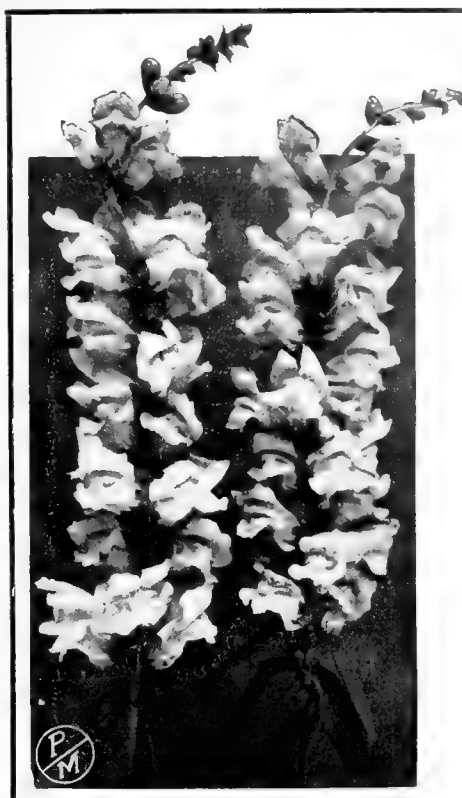
264 RANDOLPH ST., DETROIT, MICH

Flower Market Reports

BOSTON The markets are beginning to recuperate from the set-back caused by the big storm. Business is by no means up to normal, but conditions are better than they were last week. Stock of all kinds is plentiful, more than enough to meet the rather weak demand. There is a heavy supply of all varieties of roses and it is this class of goods that is suffering most. The warm weather has brought on a veritable flood of carnations, tulips, narcissi, snapdragon, pansies, etc., in quantities too large to secure reasonable prices. The supply of sweet peas is exceedingly large. A few violets are still hanging on. The "mushroom" stores and department stores have taken advantage of the large amount of cheap stock and help to clean up the market, although but slowly. Spanish iris and Roman anemones are being called for in limited quantities. The local trade is hopefully expectant of brisk business after May 1st. The wholesale houses are stocking up with Memorial Day supplies and anticipate good trade.

The past week's receipts **BUFFALO** have been the heaviest of the season. While the trade was not on the very quiet side, there was too much of everything and no outlet for the heavy surplus and not one item touched the quotation mark. Roses, lilies and carnations were very plentiful. Sweet peas were abundant—in fact, there was no shortage on anything and no orders were short of any item that was in any way ordered. The bargain signs were largely scattered on Saturday and a fair amount was disposed of.

Some wholesalers use **CHICAGO** the word "demoralized" when they express their opinion of the market as it is today and as it has been since Easter. They have learned to meet the conditions to an extent, however, and last week closed with the market practically cleaned up. There is no such thing as getting old prices for stock but it seemed wiser to take what could be had for it and let it go. Then with Sunday, April 18th, came a hot wave when the thermometer started up and on Monday it registered 83 degrees at the Government Station. It was accompanied by a strong breeze and all kinds of stock were hurried along on a market already over-supplied. The newest varieties of roses are selling for the former prices of older sorts. Carnations are sharing the fate of roses. The best can be bought for two cents and in quantities at a much lower price. Southern jonquils are coming now in large quantities. Bulbous stock, home grown, is nearing the end and after so many months of it, growers are not sorry to see it go. Lilies are accumulating. There seems to be no demand for them and vases of Easter lilies and callas are on every counter. Very good lily of the valley is offered. Sweet peas are coming fast and prices are not at all steady, varying with the word of the wholesaler. It seems to be the fear of a glut rather than the existence of one that makes prices fluctuate so rapidly. There is plenty of smilax, Asparagus plumosus and Sprengerii. Common ferns are quoted at \$2.00 and \$2.50 per 1000.



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WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON April 22		ST. LOUIS April 19		PHILA. April 20	
Roses						
Am. Beauty, Special	20.00	to 35.00	20.00	to 35.00	20.00	to 25.00
" " Fancy and Extra	10.00	to 20.00	10.00	to 15.00	10.00	to 15.00
" " No. 1	4.00	to 10.00	5.00	to 8.00	3.00	to 8.00
Killarney, Richmond, Extra	4.00	to 10.00	4.00	to 6.00	5.00	to 10.00
" " Ordinary	1.00	to 3.00	1.00	to 2.00	1.00	to 4.00
Hillingdon, Ward, Sunburst, Extra	6.00	to 12.00	4.00	to 8.00	5.00	to 10.00
" " Ordinary	2.00	to 4.00	2.00	to 3.00	1.00	to 4.00
Maryland, Radiance, Taft, Extra	6.00	to 12.00	4.00	to 6.00	5.00	to 10.00
" " Ordinary	3.00	to 4.00	2.00	to 3.00	1.00	to 4.00
Russell, Hadley, Ophelia, Mock	4.00	to 12.00	5.00	to 10.00	3.00	to 20.00
Carnations, Fancy	2.00	to 3.00	1.00	to 2.00	3.00	to 3.00
" " Ordinary	1.50	to 2.00	.50	to .75	1.50	to 2.00
Cattleyas	20.00	to 30.00	35.00	to 40.00	25.00	to 60.00
Lilies, Longiflorum	.....	to 6.00	6.00	to 8.00	6.00	to 8.00
" " Rubrum	.....	to 6.00	.....	to	4.00	to 8.00
Lily of the Valley	2.50	to 3.00	3.00	to 4.00	1.00	to 4.00
Daisies	.50	to 1.50	1.00	to 2.00	.50	to 1.50
Violets	.....	to .50	.....	to .....	.20	to .50
Snapdragon	2.00	to 3.50	2.00	to 3.00	3.00	to 12.50
Iris	.25	to 1.00	.....	to .....	.....	to
Freesias	.....	to 2.00	1.00	to 2.00	.....	to
Daffodils	1.00	to 3.00	1.00	to 2.00	.50	to 2.00
Tulips	1.00	to 2.00	1.00	to 2.00	1.50	to 3.00
Sweet Peas	.25	to 1.00	.15	to .40	.25	to 1.00
Corn Flower	.50	to .75	.....	to .....	.....	to 1.50
Gardenias	20.00	to 30.00	.....	to ...	5.00	to 15.00
Adiantum	.50	to 1.00	1.00	to 1.25	.....	to 1.00
Smilax	10.00	to 12.00	10.00	to 15.00	15.00	to 20.00
Asparagus Plumosus, Strings (100)	25.00	to 50.00	35.00	to 50.00	.....	to 50.00
" " & Spreng. (100 Bchs.)	25.00	to 40.00	15.00	to 20.00	25.00	to 50.00

CINCINNATI From the wholesaler's point of view the present market is more or less of a nightmare. Business is rather slow while the inrush of heavy cuts is unabated and the glut continues. Roses and carnations are the worst sufferers, principally because in a normal market they are the more numerous flowers and adding to this their proportionate share of the general increase in quality that we are having, makes the supply of each seem unusually large. Their average quality, except in the cases of dumped stock is pretty good. Sweet peas continue in a large supply. Lilies and callas are plentiful. The call for orchids and lily of the valley has picked up somewhat.

NEW YORK There is really nothing in connection with the cut flower wholesale market situation that is

worth recording as of interest to any of our readers, whether they be growers, wholesalers or retailers but there are lessons to be learned by anyone who is disposed to take a sensible view. The traffic has reduced itself at the present time to a "catch-as-catch-can" basis and the sole aim of the seller is to unload whatever stock may come in, regardless of published quotations. In short, this market is overloaded with flowers of every description in quantity far beyond the capacity of ordinary channels to assimilate and even after every conceivable alternative has been made use of there still remains a surplus stock for which no trade outlet exists. This is the condition that confronts every dealer—whether the goods are patrician or plebeian—and there appears no possible expedient for immediately improving the situation. Simply prin

Continued on p. 571

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NEW YORK QUOTATIONS PER 100. To Dealers Only**ROSES AND CARNATIONS**

	Last Half of Week ending Apr. 17 1915		First Half of Week beginning Apr. 19 1915	
American Beauty, Special	5.00	to 8.00	8.00	to 12.00
" " Fancy and Extra	4.00	to 5.00	.....	to 8.00
" " No. 1	2.00	to 3.00	2.00	to 3.00
Killarney, Richmond, Extra	1.00	to 4.00	.25	to 4.00
" " Ordinary	.25	to 2.00	.25	to 1.00
Hillingdon, Ward, Sunburst, Extra	1.00	to 4.00	.25	to 4.00
" " Ordinary	.25	to 2.00	.25	to 1.00
Maryland, Radiance, Taft, Extra	1.00	to 4.00	1.00	to 4.00
" " Ordinary	.25	to 2.00	.25	to 1.00
Russell, Hadley, Ophelia, Mock	1.00	to 12.00	1.00	to 12.00
Carnations, Fancy	1.50	to 2.00	1.00	to 8.00
" " Ordinary	.50	to 1.00	.50	to 1.00

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Flower Market Reports

(Continued from page 569)

and bear it." But it is up to the wise ones to find a way to increase the daily distribution of this enormous product, so that it finds a market at some sort of a price and is not altogether wasted. At such times the puerility of such utterly insignificant effort as a "Mothers' Day" publicity campaign becomes dishearteningly apparent. "The mountain labored and brought forth a mole hill."

Crops continue to pour in and the commission men have to work like beavers. They work and they work and they work. They hustle and better than hustle. But, nevertheless, the market will not absorb the supplies no matter what the price. If the retailer hasn't made lots of money the past three weeks it's not the fault of the situation. He could buy anything and everything at his own figure. In the general sacrifice the lower grades of everything suffered first and worst. Probably the only exception to this was the short carnation. This item came up fairly well as compared with select stock. Violets are nearly over—quality very poor. Same is true of the southern daffodils. The first cuts of the Spanish iris crop clean up pretty well—especially the blues. The whites come next in popular favor. Very little call for the yellows. The grower should take this tip and grow very few yellows, at least for the Philadelphia market. White and lavender lilac still a staple, there being no outdoor stock arriving as yet. In greens, smilax and asparagus still remain a little on the short side.

Local florists have had a fairly satisfactory week following the quiet period just after Easter. Nothing special has happened to stimulate business in any particular direction, but a rather brisk house trade, a little more than normal amount of decorative work and the other usual outlets have absorbed the week's offerings quite readily. There is little change in market conditions, with the exception that some lines are in better supply while others are becoming scarce, which affects their values to a certain extent. Orchids have appeared in more liberal quantities; roses are plentiful, German and Spanish iris is coming in freely and the supply of gladiolus is ample for all needs. On the other hand violets are practically off the market; tulips have had a decided drop, and lilacs will not last much longer. Late daffodils have been coming in, but few more are expected.

Market conditions have not improved any since the last report. Receipts have been immense. Southern consignments help to fill up our already overcrowded market and prices are so low on some stock that hardly express charges will be realized. Only the extra fancy stock in roses and carnations have brought anything like a price. Sweet peas have been cut so low that quotations would hardly look right in print. Bulb stock, both local and southern, sold very low.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Apr. 17 1915		First Half of Week beginning Apr. 19 1915	
Cattleyas.....	10.00	to 50.00	10.00	to 50.00
Lilies, Longiflorum.....	1.00	to 2.00	1.00	to 3.00
" " Rubrum.....	2.00	to 4.00	2.00	to 4.00
Lily of the Valley.....	1.00	to 2.00	1.00	to 2.00
Daisies.....	.....	to 1.00	.....	to 1.00
Violets.....	.10	to .20	.10	to .20
Snapdragon.....	2.00	to 3.00	2.00	to 3.00
Iris.....	.....	to .....	.....	to
Freemias.....	.....	to .....	.....	to
Daffodils.....	.50	to 1.00	.50	to 1.00
Tulips.....	.50	to 1.00	.50	to 1.00
Sweet Peas.....	.50	to .75	.50	to .75
Corn Flower.....	.....	to 1.00	.....	to 1.00
Gardenias.....	3.00	to 12.00	2.00	to 10.00
Adiantum.....	.50	to .75	.50	to .75
Smilax.....	6.00	to 10.00	8.00	to 10.00
Asparagus Plumosus, strings (per 100).....	15.00	to 35.00	15.00	to 35.00
& Spreng. (100 bunches).....	10.00	to 20.00	10.00	to 20.00

The local flower market is now reaching a more normal stage, but the exchange men and wholesalers are finding it very difficult to move stock in any quantity. Carnations constitute a glut such as has not been seen here for some time; snapdragon is without any value whatsoever, and the shipment of Southern daffodils have been simply overwhelming. Of lilies there were left over from Easter enough to last through the month. The worst of the sweet pea glut seems to be over. Lily of the valley remains stable. At times local roses seem to have felt the heat and naturally those from the north then surpass them in quality. First-class American Beauty roses could be had for \$1.50 and \$2 per dozen, but the sale is very slow. White and yellow daisies, as compared with other flowers, have met with a fair demand. Some very fine Spanish iris was seen and this also cleaned up when of small quantity. Yellow cowslips were late in arriving and as a result are not in demand. Last year they appeared before Easter and met with a ready sale. Some exceptionally fine pansies are offered, but there are few takers. Orchids are scarce, particularly in the darker shades. *Schrodæra* are hard to sell. The quality of gardenias has deteriorated and no one seems to want them in any quantity.

THE FLOWER SHOW AT LOWELL.

The Horticultural Exhibition at Lowell, Mass., last week, under the auspices of the City Beautiful committee was a splendid success, reflecting much credit on its organizers and showing the florist trade in a most enviable light to the public. The Lowell Board of Trade and the Middlesex Women's Club were active supporters for the purpose of awakening public interest in flowers and plants and influencing residents to beautify their home grounds. The flower growers and nurserymen in the vicinity of Lowell were almost without exception represented by large displays of their products and the result was a beautiful display, of generous extent and artistic finish. The principal exhibitors were John T. Gale of Tewksbury, Whittet & Co., Lowell; J. L. Kenney, Lowell; Frank P. Putnam, the Pleasant View Garden, North Tewksbury; McManmon's Brookside Nursery, Dracut; Backer & Co., Billerica; Albert Roper, Tewksbury; Morse & Beals, Lowell; George B. Wright, Robin Hill

nursery, Chelmsford; the John S. Haynes estate, Lowell; Harvey B. Greene, Lowell; Patten & Co., Tewksbury; J. K. Chandler, Tewksbury; R. Christofferson, South Lowell.

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NOW READY FOR DELIVERY

Begonia, Glory of Cincinnati, we have
some extra early propagated strong young
plants now ready, these will make fine spec-
imens for the Christmas trade, \$18 per 100,
net. Cash with order please. We are the
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Lord & Burnham Co., New York City.
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Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made.
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N. J.

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Lily Bulbs.
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Holland and Japan Bulbs.
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Summer Flowering Bulbs.

C. KEUR & SONS, HILLEGOM, Holland.
Bulbs of all descriptions. Write for prices.
NEW YORK Branch, 8-10 Bridge St.

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Plain, Mass.
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Canna Specialists.

Send for Canna book.

THE CONARD & JONES COMPANY,
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5000 King Humbert Cannas, \$2.00 per 100,
200 for \$3.50; also 50,000 seasonal shrubs,
vines, privet, etc., low. Send for list.
BENJ. CONNELL, Florist, Merchantville,
N. J.

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Split carnations quickly, easily and
cheaply mended. Pillsbury's Carnation
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Supreme Carnation Staples, for repairing
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The Cream of 1914 Introductions.

The most popular Commercial and Ex-
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Send for Wholesale List of whole clumps
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John Wanamaker, Newest, Handsomest,
Best. New color, new form and new habit
of growth. Big stock of best cut-flower
varieties. Send list of wants to
PEACOCK DAHLIA FARMS, Berlin, N. J.

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Fuchsias—Black Prince, Speciosa, double purple and white, Rooted Cuttings, \$1.00 per 100; 2½-in., \$2.00 per 100.
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Gold fish, aquarium plants, snails, castles, globes, aquarium, fish goods, nets, etc., wholesale. FRANKLIN BARRETT, Breeder, 4815 D St., Olney, Philadelphia, Pa. Large breeding pairs for sale. Send for price list.

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Geo. N. Barrie, Brookline, Mass.
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English Ivy Rooted Cuttings, 75c. per 100, post paid. From soil 20 to 30 in., \$3.00. From pots 12 to 15 in., \$4.00. CHAS. FROST, Kenilworth, N. J.

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Framingham Nurseries, Framingham, Mass.
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August Rolker & Sons, New York City.
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Choicest lawn shrubs, covering plants and border perennials. Large stock. Prices low. Any quantity. Send for list.

WYOMANOCK NURSERIES,
R. T. Lebanon Springs, N. Y.

NUT GROWING.

The Nut-Grower, Waycross, Ga.
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August Rolker & Sons, New York City.
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PANSIES

225,000 large stocky (September transplanted) field-grown, blooming Pansy plants. Henry Mette's strain—all salable stock. Satisfaction guaranteed. \$1.00 per 100; \$10.00 per 1000. Cash. Prompt shipping. BRILL CELERY GARDENS, Kalamazoo, Mich.

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Pelargonium Clorinda.
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PEONIES

Peonies. The world's greatest collection. 1200 sorts. Send for list. C. BETSCHER, Canal Dover, O.

PECKY CYPRESS BENCHES

A. T. Stearns Lumber Co., Boston, Mass.

PIPE AND FITTINGS

Kroeschell Bros. Co., Chicago.
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August Rolker & Sons, New York City.
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PLANT TRELLISES AND STAKES

Seale's Tieless Plant Stakes and Trellises. H. D. SEELE & SONS, Elkhart, Ind.

PLANT TUBS

American Woodenware Mfg. Co., Toledo, O.
Tree Tubs and Brass Hoop Jardinières.
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H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

RAFFIA

McHutchison & Co., New York, N. Y.
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RHODODENDRONS

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A. N. Pierson, Inc., Cromwell, Conn.
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Alex. Lister, Wenham, Mass.
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Rose Specialists.

THE CONARD & JONES COMPANY,
West Grove, Pa. Send for offers.

SALVIA

SALVIA Splendens and Ball of Fire. Strong, transplanted, \$1.00 per 100. Cash please. C. A. ANDERSON GREENHOUSE CO., Box 56, Tonawanda, Pa.

SEASONABLE PLANT STOCK

R. Vincent, Jr. & Sons Co., White Marsh, Md.

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Braslan Seed Growers Co., San Jose, Cal.

SEEDS

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Seeds with a Pedigree.
Boston, Mass., and London, England.
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Schilder Bros., Chillicothe, O.
Onion Seed—Onion Sets.
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Kelway & Son,
Langport, Somerset, England.
Kelway's Celebrated English Strain Garden Seeds.
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SEEDS—Continued

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Michell's Seed House, Philadelphia, Pa.
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Thos. J. Grey Co., Boston, Mass.
Seeds for Present Planting.
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Loechner & Co., New York City.
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Ant. C. Zvolanek, Lompoc, Cal.
Winter Flowering Sweet Pea Seed.
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Pottler, Fiske, Rawson Co., Boston, Mass.
Aster Seed.

SHELF BRACKETS

Metropolitan Material Co., Brooklyn, N. Y.
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SKINNER IRRIGATION SYSTEM

Geo. N. Barrie, Brookline, Mass.
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SNAPDRAGONS

Thoroughly Tested Strains.

Silver Pink, Golden Fleece, Pure white (winter bloomer). Rooted cuttings, \$2.00 per 100; potted plants, 2-inch, \$4.00 per 100.

F. SOUTHWORTH,

25 Hudson St., Lynn, Mass.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. LAGER & HURRELL, Summit, N. J.

SPRAYERS

George N. Barrie, Brookline, Mass.
The Barrie Soap Sprayer.
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STOVE PLANTS

Orchids—Largest stock in the country—Stove plants and Crotons, finest collection. JULIUS ROEHRS CO., Rutherford, N. J.

SWEET PEA SEED

Ant. C. Zvolanek, Lompoc, Calif.
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S. Bryson Ayres Co.,
Sunnyslope, Independence, Mo.
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SWEET WILLIAM

Sweet Williams, single, mixed, 1 year clumps, \$2.00 per 100. C. A. ANDERSON Clumps, \$2.00 per 100. Cash please. C. A. ANDERSON GREENHOUSE CO., Tionesta, Pa.

THE ANGLE LAMP

Globe Gas Light Co., Boston, Mass.

VEGETABLE PLANTS

CELERY PLANTS—Golden Self-Blanching (French strain), fine plants, ready now; \$2.50 per 1000, cash. Special prices on large lots. BRILL CELERY GARDENS, Kalamazoo, Mich.

VENTILATING APPARATUS

The Advance Co., Richmond, Ind.
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The John A. Evans Co., Richmond, Ind.
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VERMICIDES

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Reed & Keller, New York City.
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WILLIAM E. HEILSCHER'S WIRE WORKS, 264 Randolph St., Detroit, Mich.

WHOLESALE FLORISTS
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Albany Cut Flower Exchange, Albany, N. Y.
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George B. Hart, 24 Stone St.
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Washington

The S. S. Pennock-Meehan Co., 1216 H St., N. W.
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THE NUT-GROWER

The unique monthly publication which furnishes reliable and interesting up-to-date information regarding the value of pecans and other edible nuts and how to grow them for profit.

Subscription, \$1.00] per year

Sample Copy Free

THE NUT-GROWER
WAYCROSS, GA.

New Offers In This Issue

CEMETERY BOUQUET VASES.
N. F. McCarthy & Co., Boston, Mass.
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CHANGE OF LOCATION.
J. K. Allen, 118 West 28th St., New York City.
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FLORISTS' PLIERS.
Smith & Hemenway Co., Inc., New York City.
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PORTO-PANAMA HATS.
Martin Lopez & Co., San German, Porto Rico.
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PRIMULA SEED.
Henry F. Michell Co., Philadelphia, Pa.
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ROSES FOR OUTDOOR PLANTING, SHRUBS, AQUATICS, ORNAMENTAL PLANTS, BULBS, ETC.
Henry A. Dreer, Philadelphia, Pa.
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SNAPDRAGON.
S. S. Pennock-Meehan Co., Philadelphia, Pa.
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WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "Care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

HELP WANTED**WANTED**

TWO MEN, experienced plant potters, to work under foreman in commercial establishment. Address, with reference and stating whether married or single.

F. C., Care HORTICULTURE

FOR SALE

FOR SALE—Fresh from factory, new; 10 x 12, 16 x 18, 18 x 24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money. **PAB-SHELSKY BROS., INC.**, 215-217 Havemeyer St., Brooklyn, N. Y.

TO LET

TO LET—Steam-heated store, suitable for a florist, 369 Centre St., Jamaica Plain, Mass.

PROPOSALS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., April 17, 1915. Sealed proposals will be received in this office until 3 P. M., May 5, 1915, and then opened, for planting trees, shrubs, etc., on the grounds of the Federal Buildings at Mattoon, Illinois, Abbeville, South Carolina, and Marlboro and North Adams, Massachusetts, in accordance with drawings and specifications, copies of which may be had upon application to the respective custodians of the buildings, or at this office. Jas. A. Wetmore, Acting Supervising Architect.

In writing to Advertisers kindly mention Horticulture

THE TENT CATERPILLAR.

Through considerable observation in some parts of the state and through an inquiry which has been sent out from the Rhode Island State Board of Agriculture to a number of prominent orchardists of the state and which has been very kindly answered by them, we have ascertained that eggs of the apple tree tent caterpillar are apparently about as abundant as they have been during the past three years. Specimen egg clusters examined are in first-class condition, indicating that so far as egg parasites are concerned, the chances of a full hatch of caterpillars are excellent. Of course the insects may later meet with destruction in ways other than from parasites, but so far as any prophesy is possible at this time, we may look for another year of severe depredations from this pest. It is well, therefore, to take precautions to suppress the insect as far as possible at the beginning of its career. Fruit growers especially should be on their guard. A sharp lookout during pruning time will reveal many egg clusters and they can be cut off and burned. Spraying dormant trees with lime and sulphur or a miscible oil (winter strength) is effective in destroying many tent caterpillar eggs as well as the San Jose scale. If applied just as buds begin to open these sprays are also very helpful in controlling plant lice. Both of these sprays are useful in controlling plant diseases, but the lime and sulphur is preferable from a fungicidal standpoint.

Should this preliminary spraying fail to destroy all the caterpillars in the egg stage an application of arsenate of lead—3 pounds to 50 gallons of water



—immediately after the leaves are unfolded is practically a specific against the tent caterpillars and is also useful in controlling bud moth, canker worm and other leaf-eating insects. As it costs but little more, lime and sulphur in summer strength (one gallon concentrated lime and sulphur to 40 gallons of water) should be used as carrier for the arsenate of lead, since this combination is helpful in still further controlling plant diseases. If desired as a final precaution against the development of any plant lice which may escape the first spraying, a 40 per cent. nicotine sulphate (Black-leaf 40 or other tobacco extract of like strength) may be added at the rate of $\frac{3}{4}$ of a pint to 50 gallons of the above spray mixture. All ingredients of this mixture excepting the arsenate of lead are contact insecticides and it is especially important that the spraying should be thorough so that if any insects are present the liquid may be brought in actual contact with them.

A. E. STENE, Entomologist.

ENGLISH WALNUTS IN PENNSYLVANIA.

The English walnut is attracting wide interest in Pennsylvania as a commercial orchard tree. Scarcely a week goes by at the Pennsylvania State College without receiving inquiries concerning this nut. These inquiries are usually prompted by the fact that already within the state are bearing trees which have proved both their hardiness and their ability to bear abundant crops of nuts equal or superior to the nuts found in our eastern markets, which are imported from the Old World, California or Oregon, the principal sources of our commercial supply.

Because of the interest manifested, the Department of Horticulture of the college has planned a thorough investigation of the subject. This will begin with a survey of the state to determine the location of all trees. In order to make this survey as complete as possible, the department urgently requests the assistance of every one who can give facts concerning such trees, especially as to location, character of

MEMORIAL DAY LEADERS

The Hawley Glass Cemetery Vase

Flared top, 5½ inches in diameter, 9 inches deep, inside measure with a 3 inch spike. Price \$2.00 a dozen.

Heavy Tin Lawn or Cemetery Vase

No. 1, in both green and white enamel, 6¾ inches deep and 4 inches in diameter, with a 4 inch spike. Price \$15.00 per 100.

No. 2 in green and white. These are 6¾ inches deep, 3¾ inches diameter and a 4 inch spike. Price \$12.00 per 100. Made with heavy sheet tin.

Stone Cemetery Vases

In blue only. These are 6¾ inches deep, 4½ inches in diameter, with a 4 inch spike. Price \$1.50 per dozen.

N. F. MCCARTHY & CO.

112 Arch St. 31 Otis St.

BOSTON, MASS.

nuts, age of trees and hardiness. Owners of nut trees are urgently requested to correspond with the college. It is hoped that this information will be sent in to the department without delay so that the trees may be visited by the investigators and fuller notes and observations made. Whoever is growing such trees is invited to write to F. N. Fagan at State College, Pennsylvania, giving information both as to the trees and to the property upon which they are located.

OBITUARY.

William Fulton Gale.

William Fulton Gale, City Forester of Springfield, Mass., for fifteen years, died at his home April 5th. He was born in New York 54 years ago, and in his early life was a salesman for Lord & Taylor, but in 1879 he entered the florist business. He was a member of the Society of American Florists, American Forestry Association, and one of the organizers of the Florists' Telegraph Delivery. He is survived by two daughters and one son.

Framingham, Mass.—Flower day for the relief of Hebrew sufferers of the continental war, on April 19, under the direction of Framingham Hebrew Young Men's Association, brought good receipts. Young women sold the flowers on the streets in the forenoon.

THE PRACTICAL BOOK OF Outdoor Rose Growing

FOR THE HOME GARDEN

by

GEORGE C. THOMAS, JR.

Elaborately Illustrated with 96 Perfect Reproductions in Full Color of All Varieties of Roses, and a Few Half-tone Plates. Octavo, Handsome Cloth Binding, in a Slip Case. \$4.00 net. Postage Extra.

We have sold a number of copies of this sterling book. One purchaser writes as follows:

HORTICULTURE, Boston, Mass.

Dear Sir: Some time ago we ordered a copy of Thomas' Book on Roses. We promised to send you postage as soon as we learned the amount. The book was so good that we forgot all about postage until today. Please forgive our lapse of memory.

We loaned it to a friend and he likes it so well we're afraid that we will have to buy another.

Respectfully,

New York.

A. R.

Every rose grower should possess a copy of this book.

IT IS THE REAL THING

Order From

Horticulture Publishing Co.

BOSTON.



Florist's Pliers

"Red Devil" No. 622-5½ in.

Cuts wires as easily as shears cut a stem. Hand honed edge—keeps its edge; handles fit the hand and make the tool work more easily.

Fits the vest pocket. 70c at your dealer's or postpaid from us.

Write for "RED DEVIL" Booklet.

SMITH & HEMENWAY CO., Inc.
181 Chambers St., New York City

HAMMOND'S THRIP JUICE No. 2

Hammond's Paint & Slug Shot Works, Beacon, N. Y.

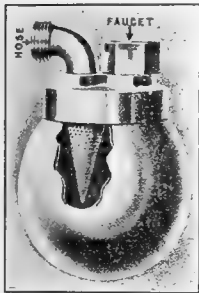
Dear Sirs: After trying Thrip Juice No. 2 for two seasons, I can say it is the best article I ever used for thrip on roses or carnations, also for white fly. The latter was the worst pest we had to contend with, but after three applications, about four (4) days apart, we were practically free from it. I find it is advisable to apply in the evening, and with a good, strong force pump, proportion one to forty.

(Signed) T. J. OPPERMAN, Florist,
Camp Hill, Pa.

January 14, 1915.



Sold by
the
Seedsman
all over
America.



BARRIE SOAP SPRAYER

The Indestructible Sprayer with NO MOVING PARTS

It will apply any soap base insecticide, and will reduce the labor and cost of spraying in any greenhouse or garden **FULLY SIXTY PER CENT.** It offers absolute control of aphids, beetle, spider and plantlice of all kinds, and is of great benefit with thrips and scale.

Made of Brass, Nickel-Plated, Lasts Forever

PRICE THREE DOLLARS—Send for Circular

(Seed Houses should Write for Discount.)

GEORGE N. BARRIE, Brookline, Mass.



NIKOTEEN For Spraying
APHIS PUNK For Fumigating

ASK YOUR DEALER FOR IT.

NICOTINE MFG. CO. ST. LOUIS, MO.

UNIVERSITY OF ILLINOIS.

Over 2,600 people attended the third annual exhibition of floral arrangements, given by the class in floral decoration, assisted by Miss Emily Dorner, of Lafayette, Ind., on Sunday afternoon, April 18, in the Floricultural building. Most of the visitors were students and faculty members, but both Urbana and Champaign were well represented. A better day could not have been chosen, as the weather was ideal.

It is difficult to say which display was admired most, as nearly all of them were equally good, and the opinion of the people seemed to vary. Perhaps the most attention was attracted by the different table decorations, wedding bouquets and corsage bouquets, as these seemed to be of special interest to the ladies. In connection with the wedding bouquets was staged a large doll dressed as a bride and carrying a bouquet of valley. This was an entirely new feature and was very attractive. Besides this there were many funeral designs, plant baskets, flower baskets, box and vase arrangements. Favorable comments were heard from nearly every one and it is safe to say that not a person regretted having come out to see the display.

A. G. H.

NEWS NOTES.

Clyde, O.—Joseph Witzel and E. H. Stout, have purchased the Clyde Floral Company greenhouses.

Jersey City, N. J.—E. Bonnot, florist, 188 Newark Ave., has sold his business to Frederick E. Dressel.

Bangor, Me. — Stone & Frutchey, florists, have dissolved partnership. E. P. Frutchey will continue the business, having bought out the interest of his partner, Samuel S. Stone.



Guaranteed under the Insecticide Act, 1910. Series No. 321

Save your plants and trees. Just the thing for Greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrip, Red Spider, Black and Green Fly, Mites, Ants, Insects on Rose-bushes, Carnations, etc., without injury to plants and without odor. Used according to directions our standard insecticide will prevent ravages on your crops by insects.

Non-poisonous and harmless to user and plants. Leading Seedsman and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pests. Excellent as a wash for dogs and other animals. Relieves mange.

Effective where others fail.

½ Pint...25c; Pint...40c; Quart...75c
½ Gal., \$1.25; Gal., \$2.00; 5 Gal. Can., \$9
10 Gal. Can. ...\$17.50

Dilute with water 30 to 50 parts.

For Sale by Seedsman and Florists' Supply Houses
If you cannot obtain this from your supply house write us direct.

LEMON OIL COMPANY, Dept. K

420 W. Lexington St., Baltimore, Md.

Directions on every package

Cocoanut Fibre Soil WAR

Does not stop the use of Humus.
All seedsmen keep it in stock. It is the last word in Fertilizing Humus.
Send for Prices.

20th CENTURY PLANT FOOD CO.
27 & 29 OCEAN ST., BEVERLY, MASS.

Aetna Brand Tankage Fertilizer

Is the best balanced Fertilizer on the market, and is giving satisfactory results wherever used.

Farmers and Florists Fertilizer Company
809 Exchange Ave., Room 5, U. S. Yards,
CHICAGO, ILL.
Telephone—Drover 1932.



The Recognized Standard Insecticide.

A spray remedy for green, black, white fly, red spider, thrips, mealy bug and soft scale.
Quart, \$1.00; Gallon, \$2.50.

FUNCINE

An infallible spray remedy for rose mildew, carnation and chrysanthemum rust.
Quart, 75c; Gallon, \$2.00.

VERMINE

A soil sterilizer for cut, eel, wire and angle worms.

Quart, \$1.00; Gallon, \$3.00.

SCALINE

A scaleicide and fungicide combined for San Jose and various scale on trees and hardy stock, and various blights which affect them.

Quart, 75c; Gallon, \$1.50.

NIKOTIANA

A 12% nicotine solution properly diluted for fumigating or vaporizing.
Quart, \$1.50; Gallon, \$4.50.

If you cannot obtain our products from your local dealer, send us your order and we will ship immediately through our nearest agent.

Aphine Manufacturing Co.
MADISON, N. J.

GEO. A. BURNISTON
President

M. C. EBEL
Treasurer

SCOTCH SOOT

Where there is a house that is just full of buds almost ready to show color, nothing will turn better color into the flowers than a little soot, that can be scattered over the benches before watering. The amount applied should not be excessive, as the soot is very strong and may damage some of the foliage somewhat. Apply just enough to blacken the surface of the soil in the benches, and let it go at that. Better a little oftener than too much all at once.

We offer the genuine in original cwt. Sacks, at:
\$4.00 per 112 lbs.; \$17.50 per 560 lbs.

Stumpp & Walter Co.

30-32 Barclay Street, NEW YORK

Plantlife Insecticide

A tobacco preparation used by the best growers for dusting and spraying.
Write for book of testimonials and prices.

THE PLANTLIFE CO.

251 East 66th St., New York, N.Y.

When writing to advertisers kindly mention HORTICULTURE.

Est. 1765

FOR "POT LUCK" USE

Inc. 1904

Pot Makers for a
Century and a Half**HEWS STANDARD POTS**World's Largest
ManufacturersWrite for Catalogue
and Discounts**A. H. HEWS & CO., Inc., Cambridge, Mass.**Warehouses:
CAMBRIDGE, MASS.
NEW YORK, N. Y.**UNLIMITED OPPORTUNITIES.**

More greenhouses are being built every year. If some of the greenhouse owners actually knew how much new glass is being put in the United States during a year they would imagine that it would be impossible to sell the product of these additional houses. The fact is there are several hundred country towns in the United States of about 5,000 population, without a florist, without a greenhouse, and without a vegetable grower. There are towns where you can't buy lettuce in January for love or money except on Saturday night, and where a bunch of roses would be exhibited in the leading store until they died if said bunch ever happened to get to the town. If it were possible to compile statistics showing opportunities for those who want to build greenhouses, the facts would startle us. If these opportunities were taken advantage of, all the greenhouse manufacturers in the United States with present facilities could not turn out the material in the next ten years. The population of this country is increasing out of all proportion to the increase of products from greenhouses. What the people need is education of the kind that will lead them to purchase the things that the greenhouse so wonderfully produces.—*Moninger Greenhouse News*

**GREENHOUSES BUILDING OR
CONTEMPLATED.**

Cornwall, Pa.—Shenk Bros., one house.

Stoneham, Mass.—Edward Gay, house 40 x 100.

Ardmore, Pa.—Arthur H. Lanser, St. Denis Ave., house 18 x 75.

Williamsport, Pa.—City Floral Co., two houses, each 20 x 100.

Chicago, Ill.—Poehlmann Bros. Co., three houses, each 27 x 100.

Philadelphia, Pa.—Thomas Tansy, 2d St. Pike, carnation house 60 x 300.

Wilmington, Del.—M. F. Hayden, Newport Pike, rose house, King construction.

Olean, N. Y.—William Nicklas, West State street, one house; D. R. Heron, two carnation houses, 150 x 180; King Construction Co.

PATENTS GRANTED.

- 1,134,618. Weed Puller. Siegmund Kaufman, Birmingham, Ala.
1,134,629. Potato-Vine Cutter. George Lee McCready, Parksley, Va.
1,134,650. Lawn-Mower. John Leo Tillman, Richmond, Ind.
1,134,760. Method of Converting Meadow or Swamp Land Into Fertilizer. Bruno Reichelt, Newark, N. J.
1,134,841. Plant Protector. Frank Gompf, Cleveland, Ohio.

KINGThe name that assures "the
most for the money" in**GREENHOUSES**Write for Bulletin No. 47
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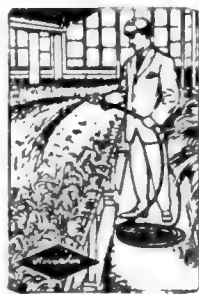
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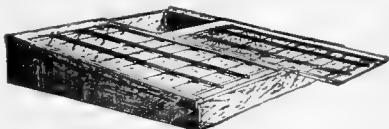
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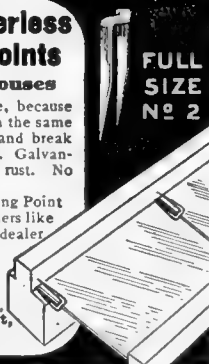
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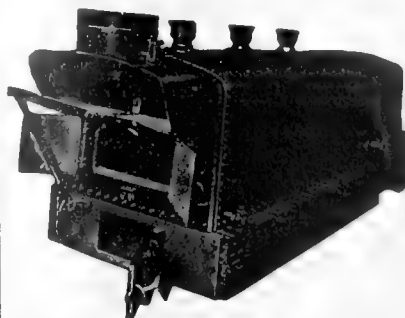
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GARDEN

Adiantums

Bench-grown adiantums for cutting purposes that have become nearly denuded of foliage by constant cutting, should now have a rest. For a while just a light sprinkling will give all the moisture needed. In the interval between two main crops water should never be entirely withheld but reduced to a minimum, while enough of moisture must be present at the roots to maintain the new growth. When new growth attains size and shape water in the usual quantities can be resumed. When new growth shows to a reasonable extent they can have a mulch of cow manure and soil in equal parts and some bone added. While the plants are young and making luxuriant growth they will require more shade than later on when the foliage gets hardened. These ferns want plenty of light but they should be given enough of shade to modify the bright sunrays during the four or five hours of mid-day.

Begonia Gloire de Lorraine and Cinnamati

A repotting of the fast-advancing plants will be a part of the treatment, admitting of no delay. Better specimen begonias are raised by timely, short shifts, gradually working up to the final size than by long shifts, skipping several sizes at every transplanting. As heretofore, careful attention to watering, ventilation and shading is advised, but sprinkling or syringing overhead and through the foliage, from now on, should be more heavy and frequent. From now on until fall the rapidity of growth will be surprising and hardly looked for in the erstwhile fragile striplings. This should keep the grower on the alert to do his share in the making for a satisfactory finish. Watch out for green-fly or other insects. Don't wait until they pay a visit, but use fumigation and a weak solution of nicotine regularly to keep them away. Give more room, so the young plants will not become crowded.

Carnations

Give regular and copious waterings at the roots and a good syringing every bright morning after the flowers are cut, to hold red spider in check, and also attend to regular fumigation. Attend to all details, such as disbudding, frequent mulching of the soil, having the ventilators wide open during warm days and, if possible, a little air during the night even if you have to keep the fires up during the belated cold spell. The success of the carnation growers depends much upon proper care being given to the young stock in the earliest stages. Watering is a subject upon which no definite instructions can be given. As a general rule, I like to water the young plants once daily. Where you have frame room it is a good practice to give the young stock a week or so in the frame before they go outside, for it often happens that we get a cold and wet period after they are planted out in the field. When stock is hardened off in frames they will stand without injury any such visitation.

Ficus elastica

For the small grower there is no better season for the increase of stock than the present and no better course of procedure than mossing. Crippled and lanky plants, the branches of old unsalable specimens may be operated upon. The place to be mossed for the formation of roots first undergoes some sort of mutilation with a sharp knife, as cutting the wood almost through on one side and inserting a bit of wood or gravel to keep the cut open, washing away the gum after the bleeding has stopped and then tying sphagnum moss in a good thick layer firmly around this part of the wood. Do not fail to keep the air humid by several dampings during the day. The night temperature should be 70 degrees. In admitting air always avoid drafts. When well rooted they can be potted into a mixture of fibrous loam three parts, well decayed cow manure one part, leaf mold one part.

Increasing Fern Stock

All such ferns as adiantums, davallias, nephrolepis, polypodiums, etc., can be propagated by division. Break them up large enough so they will retain quite a few roots and then place close together in flats or pans in a compost of half leaf mold and half sand. All ferns that have creeping rhizomes or stolons can be multiplied into young stock. There is no better place for these than a warm bench where they will not be subject to any dry or cold currents of air. Keep the atmosphere of the frame moist and maintain a temperature of from 65 to 70 degrees and they will soon begin to make new fronds and roots, after which they can be potted up in any good porous soil. All this young stock should have a temperature of about 60 degrees at night, and a bench where they can have plenty of light without too much direct sun.

Overhauling Poinsettias

Old plants that have been resting since the new year can now be started, if not already done, shortening back the stems and repotting in as small pots as the roots will permit. Do not wait too long before doing this. Give them a good soaking of water and then keep rather on the dry side until the growths start and they will soon produce a quantity of fine cuttings. When cutting in you can use the old wood cuttings by placing in a warm frame and keeping the temperature from 65 to 70 degrees. In about three or four weeks they will be rooted, when they can be potted, using equal parts of loam and leaf mold, with enough of sand to make it gritty. Remove all stock plants to a well-lighted bench at about 65 degrees at night. Those propagated in July and August are fine for making up pans but the earlier ones will give the finest bracts for cuttings. Water rather sparingly at first, but as they begin to grow rapidly they will take plenty of water at the roots.

Next Week:—Chrysanthemums; Planting Gladioli; Planting Out Carnations; Poinsettias; Stock for Winter Flowering.

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Many are the mysteries of the flower trade and the popular floral fancy. Just as the Schrodinger is perpetually in disgrace with the buyers is something past finding out but the fact is there. Of most delicate tint and texture and pleasing perfume this pretty flower merits a much higher place in the appreciation of the flower buyer than is accorded it in any of the markets where it is a daily commodity during the flowering

season. A flower which seems to have all the desirable features for popular favor and for preferment by the artistic flower worker is our old friend Dendrobium Wardianum but it invariably falls short in estimation of the buyer and stands around on the tables of the wholesale dealer unsought and unappreciated while other inferior things are snapped up with avidity. Why this is so we are at a loss to explain. Can some- body enlighten us?

The comments in this issue by E. H. Wilson on our notes of last week concerning the effect of the past season upon the rhododendrons is an interesting contribution to a subject which thus far seems to be little understood—the old question of the why and wherefore of the varying behaviour of plants in different localities and of the same plants in different years, about which everybody would be pleased to learn more. The rhododendrons upon which was based our favorable report of their condition at the present time, are located a few miles out on the north side of Boston while those of which Mr. Wilson writes so disconsolately are about the same distance away on the south side. It is possible that another year the spring verdict as between these two plantations may be completely reversed and the advantage lie wholly with those which have fared so badly this year. Who can say? The explanation of the case under consideration as given in the Arnold Arboretum notes which also appear in this issue seems to lack plausibility, for the Arboretum rhododendrons are planted at the base of a high hill with a never-failing brook running in close proximity, while the plants that have gone through satisfactorily, less than a dozen miles away, are on high and very dry ground and in what is considered a very unfavorable exposure. We are very sorry to find so well informed and usually optimistic an authority as Mr. Wilson expressing convictions so discouraging in tone as he here declares concerning the noblest of all our garden shrubs. Before definitely crossing them off the list of desirables, effort should be made to ascertain more certainly the immediate causes that underlie their failure or their success under varying conditions from year to year. Thus far most of the conclusions appear to be based upon suppositions and probabilities that seem to fit the particular occasion.

Changes in values as represented by selling prices are as old as trading. What are "cut prices?" Aside from combinations to maintain specified rates or reckless selling without regard to cost or loss, changes in market values are, as a rule, directly due to the relative conditions of supply and demand. When supply falls short of the demand—a condition formerly frequent but now very rare in the flower trade—then values soar. When supply exceeds the demand—be it at ordinary times or at the biggest floral holiday in the year—values go down, irresistible and uncontrollably. In the first-named instance the buyer is sure to register a prompt protest. In the latter, the producer is the remonstrant. Each condition has its good side and in each somebody benefits. Unfortunately for the flower producer a fixed estimate of cost of any particular item is practically out of the question and consequently a standard of value based simply on custom heretofore, carries little weight. The maximum price of certain flowers, for example, at the present time

in all the wholesale markets, would have been pronounced positively ruinous by the growers of similar goods a dozen years ago. In the next decade changes of equal import are to be expected and the man who would undertake to hold out against this inevitable movement would surely go broke just as would one who, during the past season, would have refused to part with his roses, violets or other production unless he got the price that prevailed ten years ago. In the traffic in perishable goods, the cost price of production of which not being in evidence and the supply excessive, the tirades against "cut prices" which are put forth at such times are as illogical as they are useless. The remedy against these depreciations is to be found, if found at all, in an enlarged market and increased steady demand and any movement which tends to that end should have a hearty and persistent support from every man who has an interest in maintaining values.

Winter Damage to Rhododendrons

Editor HORTICULTURE.

Dear Sir:—In an editorial in your last week's issue entitled "A very considerate winter" you state that "rhododendrons have come through the winter in first-class condition—flower buds are unscathed and a glorious display of flowers is assured for early June." I presume, since you do not remark to the contrary, that this statement has reference to evergreen rhododendrons on an estate (or estates) somewhere in the vicinity of Boston, Mass. If this assumption is correct, permit me, Sir, to say that the owner (or owners) should consider himself (or themselves) fortunate. From what I have seen and from the reports that have reached me, this satisfactory state of affairs is very far from being general in this neighborhood. In the Arnold Arboretum this class of rhododendrons has suffered severely. Varieties that have withstood the rigors of twenty and more previous winters have succumbed. At Lancaster, Mass., Wellesley and other places, the same disastrous conditions obtain. In the Arnold Arboretum, conifers of all kinds have wintered well, but on neighboring estates the death roll among *Arbor-vitae* and even the native *White Pine* is very heavy.

Since the winter has been an extraordinary mild one, it cannot reasonably be claimed that low temperature has been the cause. The bright sunshine during the closing days of February and through March combined with the total absence of precipitation, must, I am convinced, be held responsible. Kipling, in one of his poems, warns the newly arrived soldier in tropics that:

"The worst o' your foes is the sun over'ead;
You must wear your 'elmet for all that is said;
If 'e finds you uncovered 'e'll knock you down dead,
An' you'll die like a fool of a soldier."

This applies forcibly to broad-leaved evergreens in

New England. It is the sun overhead in March that knocks them down dead! The bright sunlight causes rapid transpiration (i.e., loss of water from the leaves) and the ground being still frozen the roots are perforce inactive and cannot make good this loss and the cells of the leaves collapse. The effect is the same as if the plants had been submitted to a fierce scorching blast.

The race of hybrid rhododendrons at present available *cannot* be relied upon to withstand the rigors and vagaries of New England winters, and unless hybridists can evolve tougher kinds there is a danger of these rhododendrons, the noblest of all broad-leaved evergreens, falling into general disfavor as subjects for outdoor culture in New England.

R. H. Wilson.

Arnold Arboretum, Jamaica Plain, Mass.

Culture of Drug and Dye Plants

Editor HORTICULTURE.

Dear Sir:—The present practical exclusion from American markets of drugs and dyes derived from plants grown in central Europe, caused by war conditions, is a difficult economic situation, and one that has been much discussed.

At a recent meeting of the Board of Managers of the New York Botanical Garden, this important topic was considered and the Scientific Directors of the Garden were requested to prepare a report upon it, such report to include an enumeration and account of the plants yielding the drugs and dyes derived mainly from the Old World, which would probably be susceptible of cultivation on a commercial scale within the United States. This report is being prepared and will be submitted at a subsequent meeting, after which it may be given to the public. It was suggested that in all schedules for exhibits and prizes at agricultural and horticultural exhibitions, shows and fairs, provision be made for entries of drug and dye plants and their products, as a means of stimulating interest in this topic, and disseminating information and bringing it into general public notice. It was also suggested that many persons owning country estates would probably be willing to cultivate plots of from one quarter of an acre upward, of drug or dye plants, and report upon the results. This suggestion has already been taken up by several persons.

N. C. Britton

Director-in-Chief.

BOOM YOUR BUSINESS
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Horticulture

Publicity among the kind of readers reached
by this paper is THE SORT OF PUBLI-
CITY THAT PAYS.

CLUBS AND SOCIETIES

SOCIETY OF AMERICAN FLORISTS'
CONVENTION

List of San Francisco Hotels and Rates

For further information, contact the Association of American Architects, 1735 K Street, N.W., Washington, D.C. 20006, or write to the architect Joseph's, 233 Grant Ave., San Francisco, Calif.

Particulars of foot-prints and other part of the above collection at the trade exhibition at Memorial Hall, San Francisco, next August, to be sent with complete rules, etc., have been sent out by Secretary John Young. Copies of same may be had on application to John Young, 53 W. 28th street, New York, up till July 15, after which Mr. Young's address will be care of Danis, Ma Rorie, 400 Prescott Building, San Francisco, Ca.

The button for our cap, given to the S. A. E. has just been received from Secretary Young by those entitled to receive it. The color of the border on the button this year is golden yellow, quite appropriate for the visit of the Society to the Golden Gate.

HORTICULTURISTS VISIT ARNOLD ARBORETUM.

Under the direction of the Committee on Gardens of the Massachusetts Horticultural Society the first of a series of weekly meetings at the Arnold Arboretum was held on Thursday afternoon, April 22. These meetings are intended for the members of the Society with their personal friends who will be conducted through the Arboretum by John G. Jack of the Arboretum staff. Mr. Jack will point out and give information concerning the flowering trees and shrubs suitable for planting in this vicinity.

At the meeting on April 22, thirty-five species of plants were noted in flower and interestingly described by Mr. Jack. Among the more conspicuous shrubs in bloom this week are the numerous varieties of forsythias, forming great yellow masses; the various species of Japanese cherries with their delicate tints of pink and white; and particularly the early-flowering *Rhododendron praecox*, a mass of pink bloom, perfectly hardy here, and a most desirable plant for April flowering. The cornelian cherry, a tree covered with yellow bloom, was also a noteworthy object in the landscape.

The further progress of the flowering season will be watched with much interest at the subsequent meetings which will be held at the same place every Thursday afternoon beginning at three o'clock.

PROPOSED DAHLIA SOCIETY.

The proposed Dahlia Society meeting planned for the purpose of organization on May 10 at the Hotel Earlington, 59 West 27th street, New York, will meet at the Grand Hotel, Broadway and 31st street, owing to the closing of the former place.

CONNECTICUT HORTICULTURAL
SOCIETY.

At the regular bi-monthly meeting of the Connecticut Horticultural Society, plans were made for the Spring Flower Show to be held on Thursday, June 10, in Unity Hall.

There was an exceedingly fine exhibit of pansies staged by John C. Willard, of Wethersfield. John F. Huss exhibited *Clianthus Dampieri*. President Warren S. Mason staged a fine collection of spring flowers. All the foregoing received certificates of merit.

ALFRED DIXON, Sec.

CLUB AND SOCIETY NOTES.

The following officers were elected at the last regular meeting of the California State Floral Society: Mrs. Henry P. Tricon, president; Mrs. H. Plath, first vice-president; Mrs. Austin Sperry, second vice-president; Mrs. J. G. Wintjen, recording secretary; Mrs. Elbert Channele, corresponding secretary; Mrs. Lucy Wheeler, treasurer.

The printed proceedings of the thirtieth annual meeting of the Chrysanthemum Society of America has been sent out by Secretary Chas. W. Johnson, Morgan Park, Ill. The addresses, reports and papers read at the meeting in Indianapolis, November 6, 7 and 8, 1914, are given in full. An interesting and useful feature is the lists of varieties, American and foreign disseminated in 1914.

COMING EVENTS.

Shows.

New York, N. Y., May 8-9. Exhibition of Hort. Soc. of N. Y. in Bot. Gd., Bronx. (The March and April shows will be omitted.)

San Francisco, Cal., June 4. American Sweet Pea Society's special show in connection with the Exposition.

Newport, R. I., July 8-9. Annual show and meeting of American Sweet Pea Society in connection with Newport Garden Assoc. and Newport Hort. Soc.

Lenox, Mass., July 27-28. Summer exhibition of Lenox Horticultural Society.

Orange, N. J., Oct. 1. Tenth Annual
Dahlia, Fruit, Gladioli and Vegetable Show
of N. J. Floricultural Society. Geo. W.
Strange, Sec., 84 Jackson St.

New York, N. Y., Nov. 3, 4, 5. Annual Chrysanthemum Show of the American Institute, Engineering Societies Building.

New York, N. Y., Nov. 4-7. Annual Exhibition of Hort. Soc. of New York, Museum of Natural History.

Cleveland, O., Nov. 10-11. Annual show and meeting of Chrysanthemum Society of America. Chas. W. Johnson, Sec., 2226 Fairfax Ave., Morgan Park, Ill.

Meetings.

San Francisco, Cal., June 22-24. - American
 School Trade Association

Detroit, Mich., June 22-25. Annual con-
v. of Amer. Ass'n of Nurserymen.

Fort Worth, Tex., July 6-7. Texas State
1st meeting.

MODEL OF A SUBURBAN ESTATE.



The accompanying illustration is a memento of what was one of the prime attractions for the public among the exhibits at the recent exhibition in the Grand Central Palace, New York. The picture, however, does not give a very

adequate idea of this excellent piece of work, which took many days of patient work to perfect. Most of the miniature gardens which we have seen were caricatures of the kindergarten order, but this one, which was con-

structed by Sam Woodrow, of Woodrow & Marketos, impressed us as much better than the average in conception and material, and well entitled to the gold medal which was awarded to it.

NOTED AT DREER'S

Phlox Arendsi.

Among the Dreer offerings this season in meritorious new plants, one of the most noteworthy subjects is the *Phlox Arendsi*. This is one of the freest flowering of the family, continuing a mass of bloom for two months. It is a cross between *canadensis* and *decussata* and commences flowering about the end of May, much earlier than the *decussata*, and much more prolific in bloom than that popular favorite. It is perfectly hardy and very vigorous in growth and of free branching habit.

Dropmore Alkanet.

This is an improved variety of the *Anchusa Italica*, originating in England. It is of a rich gentian blue and is one of the finest additions to our limited list of rich blue hardy perennials. It has an additional value as it flowers from May to July when blues are but sparingly represented in the hardy garden. A beautiful colored plate of this and another variety (*Opal*) appeared in Dreer's Garden Book for 1914. *Opal* is much lighter in color than the *Dropmore* variety.

Summer Lilac.

The above caption seems to be a much more descriptive and appropriate name than *Butterfly Bush* which we notice is being used in a good many of the catalogues. We refer, of course, to the *Buddleia Veitchii* which has figured more than once in recent years

in the pages of *HORTICULTURE*. It has become one of the most popular of our summer flowering shrubs and with fairly liberal treatment responds with wonderful freedom in size and quantity of spikes. Michell has a fine colored plate of this on front of their 1915 catalogue. Last summer it was one of the features at Andalusia and also at the Dreer Nurseries at Riverton.

A New Climber.

If you look up the dictionary you will find a lot in it about the *Polygonum* family. The clan has a great variety of big and little in its embrace, all the way from weeds to wonders. It has the knotweed, the ladies' thumb, the princes' feather, and many other well-known subjects—as well as our old friend *Sakaline*, which Mr. Blanc made such a stir with some twenty years ago. But you won't find in the dictionary a new one offered by Dreer recently, named: —*Polygonum Auberti*. This is a splendid climber producing masses of white flowers in great profusion during late summer and fall.

COVER ILLUSTRATION.

To the man who knows, the picture which appears as our cover illustration this week will be a thing of exceptional beauty and needs no description other than it furnishes in itself, except that the variety of mignonette grown is "*Farquhar's Universal*." The photograph was taken during the past winter in the greenhouses of R. E. Wadsworth & Co., Northboro, Mass. The right strain of seed and intelligent painstaking culture are the secret of success in this instance

EFFECTS OF THE WINTER IN THE ARBORETUM.

The long and unusual drought of the autumn of 1914 thoroughly ripened the wood of the young branches of deciduous-leaved trees and shrubs, and those plants which produce their flowers on the branches of the previous year promise an unusual crop of flowers. The winter has not been a severe one and there are no losses to report among deciduous-leaved plants, which suffered so severely here during the winter of 1913-14. The dry autumn followed by the unusual drought of March has injured, however, many broad-leaved evergreens, especially *Rhododendrons*, which have never before suffered so severely in the Arboretum, large plants of the hardiest varieties, which have been growing here for at least twenty-five years, having been killed. The *Rhododendron* collection is in an exceptionally sheltered and favorable position, and is planted in soil perfectly suited to these plants. They have never suffered from the greater cold of other winters, and the condition of the collection at this time shows that what injures *Rhododendrons* is want of moisture during the summer and autumn rather than excessive cold, and that only a small number of species and varieties can be successfully cultivated in New England. The list of the varieties which have been killed or seriously injured will appear in a later bulletin.

—*Arnold Arboretum Bulletin*.

Bayside, N. Y.—The 200-acre estate known as The Oaks, formerly the property of the late John H. Taylor, on which is a large range of greenhouses, has been leased to the Vitagraph Company for the production of pictures and special feature films.

CHICAGO NOTES.

Chas. A. Arnold, 1230 Is-
trook street,
Chicago, Ill., is
now growing
primulae
and will be ready
to ship them
in a few days.
The
Chicago Horticultural
Society is holding
their
meeting
at the
Chicago School
Building.

Close to the nineties for days and a
few more of the time
showing in bloom.
Tulips in fact are nearly through,
and prunes just at their best. Tulips
and hyacinths are showing in all
their glory of color but are likely to be
short-lived in the scorching wind.

Just as we went to press last week,
votes were being counted in the subur-
ban towns. As the result of the elec-
tion, many florists, well-known in the
trade, will serve their towns as presi-
dents or trustees. Among the presi-
dents are Fritz Bahr, Highland Park;
Aug. Pohlmann, Morton Grove; Geo.
Klehm, Miles Center and John T.
Muir, River Forest.

The J. C. Moninger Co., has just be-
gun the erection of a range of green-
houses for Henry Ford, on his new
private place in Detroit. The old
houses are being torn down and when
the new ones are completed the manu-
facturer of the famous auto will have
a conservatory and summer home to
be proud of. A new range is under
way by the same firm, at Lake Geneva
for W. S. McCrea.

The Prosperity Parade included sev-
eral florists, whose delivery cars were
decorated with fresh flowers and greens
and were quickly noted by their con-
trast to the tissue paper bedecked ve-
hicles. Chas. A. Samuelson used clus-
ters of baby rambler roses, made into
garlands with asparagus, and the en-
tire car was festooned. J. Mangel
carried out the same idea with gar-
lands of daffodils and A. Lange used
his three delivery cars. One of the de-
partment stores had a large auto filled
with palms and ferns. The cut flowers
held their own remarkably well in a
parade that required three hours to
pass a given point, under a blazing
sun and a hot wind.

True to prediction, the profusion of
flowers and floral emblems was much
larger than usual, at the City Hall,
when the new officers took their
places April 25th. Mayor Thompson's
office looked as if a flower show were
in operation. Conspicuous among the
many large and finely executed de-
signs was an American flag, 4x6 feet.
The stripes were in red and white
carnations, and violets bordered an in-
scription which occupied the field. A
star, eight feet in height, was well
done and an immense horseshoe was
among the large gifts. One of the

BUDDLEIA VARIABILIS

(BUTTERFLY BUSH) HARDY

Strong plants from 3 in. pots. Planted now outdoors will bloom from July
to frost. Price 25¢ per plant. Best place in every good garden.

\$2.50 per doz.; \$15.00 per 100

W. R. NICHOLSON, - Framingham, Mass.

prettiest of the smaller designs was
a three-foot square white.

The office of the chief of police was
so packed with flowers that the
were still coming on the second day,
that one could scarcely enter the
rooms. Twenty vases of American
Beauties and other roses occupied
tables and floor and the giant floral
designs had scarcely room to stand.
Among the latter was a large saddle,
done with Milady roses. Another
piece which was especially well done,
was an enormous wheel, ten or twelve
feet high, of pink and white carnations
and bearing on the face of it the head
and shoulders of a horse. Dark red
carnations were used. A five-foot urn
made of carnations was beautifully ex-
ecuted. The foundation was white
carnations and it was trimmed and
filled with roses. A vase of 200 Ameri-
can Beauties was arranged by John T.
Muir.

NEW WHOLESALE HOUSE IN BOSTON.

Patrick Welch, of Boston, will open
a new cut flower commission house at
262 Devonshire street, Winthrop
square, May 3, 1915. This store is
favorably located next door to the Co-



Patrick Welch

operative Market and across the street
from the Exchange.

Mr. Welch has been requested by
certain growers to handle their prod-
uct, which he has consented to do.
He will at the same time retain his in-

terest in the "Welch Bros. Co." at 226
Devonshire street, of which he is
president. The business under his
personal management will be con-
ducted absolutely as wholesale. No
goods sold at retail. He will be as-
sisted by experienced salesmen whose
knowledge of the wholesale cut flower
business is well established.

Special attention will be given to the
shipment of orders on the early morn-
ing trains out of Boston and the sup-
ply at all times of the novelties in cut
flowers for which Boston Market is
famous. The store will open at 6 a. m.
Telephone Main 2698. Paul Regan will
be manager and Patrick Welch treas-
urer.

PERSONAL.

Peter Hughes formerly in the em-
ploy of C. L. Howe, Dover, N. H., has
accepted a position at a Pittsfield,
Mass., greenhouse.

A letter recently received by S. S.
Pennock, Philadelphia, from Edwin
Lonsdale, shows Mr. Lonsdale to be in
a hopeful state of mind regarding the
outcome of his sickness. He is now at
the Naturopathic Institute and Sana-
torium of California, at Los Angeles,
and the changed course of treatment
seems to have benefited him materially.

Harry Bayersdorfer of Philadelphia
will, this year, substitute a trip to
Japan instead of his accustomed an-
nual visit to Germany. He intends
sailing on the Manchuria from San
Francisco about the middle of May.
No man in the supply business has
a better knowledge of the needs of
the florists of this country and we
shall be surprised if he does not bring
some good things over from Japan
which will meet with enthusiastic ap-
preciation by the American florists
and the public.

NEW YORK VERSUS TUXEDO.

The New York Florists' Bowling Club
and the Tuxedo Horticultural Society
rolled their return match on Thum's
Alleys, New York, on Thursday after-
noon, April 22. The New York boys
won. After the games were rolled all
hands enjoyed a nice supper. There
is another match to be rolled which
will be announced later. Following
are the scores:

TUXEDO				NEW YORK			
W. A.	177	131	161	Ford,	164	179	145
Scott,	111	167	119	Scott,	107	162	170
Gray,	133	128	114	Riedel,	165	170	114
Gray,	132	175	143	Perrieh,	146	160	132
Gray,	152	131	148	Miesem,	150	124	168
Davidson,	111	169	160	Jacobson,	140	126	110
Totals,	826	841	845	Totals,	872	921	839

"Get them at Dreer's"

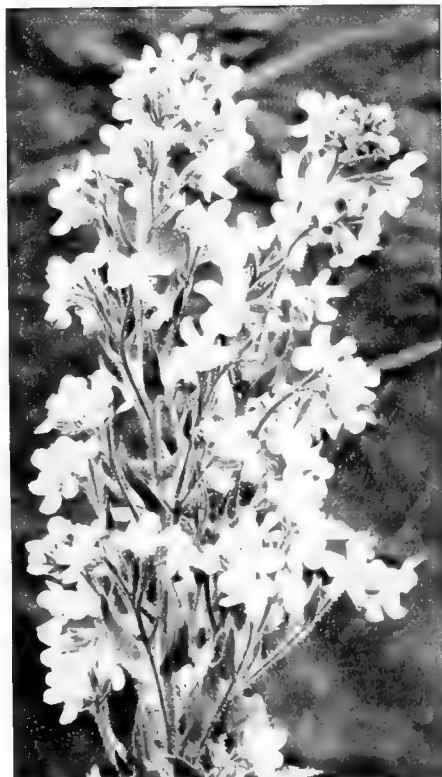
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HARDY CLIMBERS. Ampelopsis, Aristolochias, Bignonias, Clematis, Honeysuckles, Hardy Ivies, Hardy Jasmines, Polygonum Auberti, Kudzu Vines, Climbing Hydrangeas, Wistarias, Vitis, etc.

All of the above and many other seasonable **PLANTS** and **BULBS** are fully described in our January 1st Wholesale Price List, which will be mailed to anyone in the trade on application.

HENRY A. DREER

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SEED TRADE

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Officers—President, Lester L. Morse, San Francisco, Calif.; First Vice-President, J. M. Lupton, Mattituck, L. I.; Second Vice-President, E. C. Dungan, Philadelphia, Pa.; Secretary and Treasurer, C. E. Kendel, Cleveland, O.; Assistant Secretary, S. J. Willard, Jr., Cleveland, O.

THE SEED INDUSTRY.

By W. L. Farklind,
of the Blue Rock Club,
Philadelphia.)

Perhaps you have never regarded the great part in the wonderful scheme of Nature that is taken by the prosaic and insignificant seed; still this part has so much to do with the forms of life in this world of ours that when one pauses to give it serious consideration he is brought to realize that seed is one of the indispensable things. Seeds have been absolutely indispensable since the beginning of time. I admit that the telephone, the telegraph, the automobile and even the submarine are wonderful creations of man and are now considered almost indispensable—still it is a matter of record that man grew, flourished and traded for centuries without any of these; but has he done without seed for a single day? Indeed he has not! If he were deprived of these wonderful inventions he could still go on living and developing; but deprive the world of seed for but a single year and all animal life will perish.

Did you ever realize just how much you owe to seed? Do you realize that it has been the servant and the master of man since the beginning of time? I say the servant because through its care and manipulation seed has gone on its mission of sustaining life, producing its comforts and necessities. I say the master because without seed no form of animal life could live. This may seem a broad statement, but pause just a moment and consider what a wonderful force is enveloped in the unattractive shell of the seed. I say that in seed you are dealing with one of the greatest forces that exists in this world—forces in many ways. It is the source and vehicle of life, food, clothing, commerce, building, decoration, and in fact every phase of life. It is one of the greatest dynamic forces.

You may never have observed seed in its germination. Again, you may have sown seed, and under your observation you have noticed that a single bean in the process of germination will lift a weight of earth many thousand times its own. In fact, I have seen some of the stronger growing plants that would lift a stone that vastly over-topped them in weight and size. Perhaps you have never considered this force from such an angle. This is a subject that might be dwelt upon for hours, and to one who is interested in this phase of plant life, affords the theme for almost continuous discussion.

There are so many forms of plant

life with which the layman is not at all familiar that it would be useless to go into this, other than to say that the sex relation is as distinctly marked as in animal life. Some varieties of plants bear imperfect flowers and must be pollinated from other plants of the same species, or in some instances, especially in the Cucurbitaceae, in which the male and female flowers are found on the same plant. Among the squashes this is particularly noticeable, the male flower being borne on a foot or blank stalk, and after having borne pollen, immediately perishes. A close observation has shown that the majority of this genus or group so care for the male flowers that they perish within a period of twenty-four hours after attaining their full development. This in itself is a fine study that leads to so much detail and discussion that it is equally useless to dwell upon it.

The forms of plant life are unlimited. For instance, there is the Alga group, which are the plants that border on the division line between animal life and plant life. They possess the power of locomotion, that is, they move from place to place in water, and in the marsh-lands might be considered a form of animal life. In fact, some zoological works classify them as animal life, while the majority of botanists classify them as being plant life. This small plant—many hundreds of which would barely cover a pin-head—produces the smallest complete flower—so minute that the individual plant itself is almost invisible to the naked eye, and yet produces a wonderfully beautiful little flower that under the microscope shows every section and part complete and perfect.

It may be that you have never thought of the wonderful inter-relation of plant life and the various soils of the earth. Assuming that we start with the seed and the process of germination has been completed, the little plant is equipped with minute root hairs which extend outward from the roots in countless millions. These little hairs come in contact with the surface of the granules of the soil. Through the various chemical conditions that are brought about by rain, sunshine, fertilizers, etc., these little root hairs take up the sustaining elements that go to complete the development of the plant.

Soil structure in itself is immensely interesting. A very important physical characteristic of the soil is the way the particles arrange themselves as they lie in the fields. I assume that you are all familiar with the formation of soil, but just a word here. Soils are rock waste; they have been formed by the slow crumbling and breaking up of the surface rocks into fine or coarse particles such as are now designated by clay soils, sand soils, etc. The breaking down of this rock formation has gone on through the ages, and has taken eons of time. Much of this material is slowly dissolved and carried away or settled by rain-water. The variations of heat and cold have much to do with the formation of soil. A part of the great scheme of Nature has been the participation of rain or snow. This has frozen in the crevices of rocks, splitting them off and depositing them in smaller particles where they are sub-

ject to even greater action by the elements.

As an illustration of the vast area of rock or soil surface covered by these little rootlets or root hairs, I will just assume that we have here a cube, the area of the several surfaces of which measure each way one yard, or a cubic yard. This has a surface area of 54 square feet; break this yard up into cubes of one foot or 27 cubic feet; measure the surface areas of all these cubes and you have 162 square feet; break this yard up into inch cubes and you have a surface area of 1944 square feet, which is one-twentieth of an acre. You may never have considered that a cubic yard so split up is one-twentieth of an acre. So that you see the unlimited surface area that is presented to these rootlets as a feeding place, or pasture, as it were.

Almost everyone knows that the elemental plant foods—phosphoric acid, nitrogen and potash—are absolutely essential to the fullest plant growth and development. The source of supply of these necessary plant foods from a commercial point of view are scattered almost over the entire earth. Saltpeter or nitrate of soda comes from Chili; potash from the potash mines in Germany and from the recently developed kelp fields of America. Phosphoric acid is obtained from phosphate rocks, and these are found in deposits that are scattered all over the surface of the earth. This also weaves wonderfully and intricately into the great scheme of Nature.

The propagation of seeds and plants is a process that would take months to explain—by seed, by grafting, by cuttings, by budding, or by any of the recognized methods. The production of new varieties is also a wonderfully interesting thing.

All of this leads us to the seed. The seed in itself is not at all attractive, but every civilized nation of the world, and many of the uncivilized ones, contribute their quota to the general commodity of seeds that are offered for sale by the seedsman. He gathers these from the remote corners of the earth and distributes them to equally remote places.

I imagine that trading in seeds was one of the earliest forms of barter. I know that among the uncivilized nations seeds play a great part as coin of the realm, various colored seeds and varieties of seeds having various values in certain communities. They are used as money and as food.

One of the particularly interesting things in seeds is their period of stratification. To the initiated, these periods of stratification are known almost to a day, and compare very favorably to a parallel in animal life, from the seed of the succulent radish which can complete its growth within the incredible short space of from fourteen to sixteen or eighteen days, to that giant seed of commerce, the coconut, or the majestic Sequoia which takes three years to germinate and countless centuries to complete its growth.

I would not attempt to say who was the first seedsman, but I imagine it was Adam. History shows that recognized dealers in seeds have existed right down through the ages. Some of the houses now in existence trace

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Childsii, dark shades, mixed.....	1.75	16.00
" light shades, mixed.....	2.50	22.50
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SINGLE-FLOWERING

Crimson, Scarlet, Pure White, Rose, Light Pink, Yellow, Salmon, Orange, Copper or Mixed, all colors.

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Bulbs, 1 1/4 in. diam. and up.....	\$0.35	\$2.25	\$20.00

DOUBLE-FLOWERING

Crimson, Scarlet, Rose, Pure White, Salmon, Yellow, Light Pink or Mixed, all colors.

	Doz.	100	1000
Bulbs, 1 1/4 in. diam. and up.....	\$0.50	\$3.50	\$30.00

	Per 100	Per 1000
Baron Hulot, best blue.....	\$3.50	\$30.00
Independence, rose pink.....	1.75	15.00
I. S. Hendrickson, pink and white.....	.75	4.75
Kunderdi "Glory," cream, crimson stripe in lower petal.....	3.25	30.00
Marie Lemoine, cream flushed salmon.....	5.00	
May, white flaked rosy crimson.....	2.75	20.00
Melrose, white, flaked pink crimson centre.....	12.00	
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Prinsep, crimson blotched white.....	3.75	35.00
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ARTHUR T. BODDINGTON,

SEEDSMAN
342 WEST 14th STREET, NEW YORK

their lineage proudly through more than two hundred years of commercial life. These businesses represent an acquired knowledge that collectively would make a series of volumes that would put the Encyclopedia Britannica to shame. Coming down to modern times, perhaps the oldest seed house in America is the firm of J. M. Thorburn & Company. This concern is considerably over one hundred years—perhaps a century and a quarter—in business in America, and have had a long and honorable career.

Various phases of the seed industry are represented by the various firms scattered throughout the United States and throughout the world. Each conducts a distinct form of business, as dictated by the community in which they are located and the class of trade to which they cater. I claim that the seed business is the one business that is a logical mail-order business. There is presented in the mail-order seed business a phase of merchandising that is met in no other mail-order business, in that you are dealing not in a finished product, but only the means by which a finished product may be attained. In the average general mail-order business, the concern is dealing in a concrete commodity. Perhaps I should qualify that by saying a finished commodity. For instance, if you purchase a stove, a canoe or a pair of shoes, a binder or a gasoline engine, or whatnot, when it is delivered to you you can readily tell whether it is what you want or whether it will meet your requirements. If not, you can return it; but in seed even an expert cannot tell the veriest trash from the highest bred seed of the same variety.

Breeding in seeds has as great a bearing on the future crops as breeding in animals, and today it is carried to as high a state of perfection; so that in dealing in seeds the purchaser must place all confidence in the concern from whom the purchase is made. In selling seeds by mail you do not enjoy the privilege of the retailer who can talk to his customer over the counter. He is in a position to explain matters to his prospect. With the mail-order seedsmen this must all be

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Again, in selling seeds by mail the highest quality is absolutely essential to a successful business. Seeds of in-

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In the last few years we have heard a great deal about undesirable expression applied to florists and foreigners and very often or too much so. This expression applied to people who do not deserve such treatment. Some of our most undesirables have built our railroads in this country and have done a great deal to help develop this great country.

I now find that this same expression is applied to a good many flower retailers who absolutely do not deserve it. Just because they are not the oldest or largest retail florists concern does not mean that they fill orders in poor shape or forget to pay their bills promptly. I can make a correct statement and say to you that these younger concerns in a great many cases are more businesslike and can see an opening for a new field quicker than others, as the other florists think they have enough business and what is the use of looking for more, and send trade away from their stores, but these same concerns are willing to receive all the orders from out-of-town correspondents they can get.

They sometimes wonder how the new concerns can get these orders but they also forget that this or that new concern has let the public know that orders for out-of-town can be delivered, hence, was enabled to send orders all around the country and naturally retailers to whom he has sent orders have reciprocated, for which you can neither scold nor blame them.

Remember that even you who own the largest and best equipped retail flower shops may have been, at the start, the same kind of undesirables and yet if somebody had called you that, you hardly would have taken it good-naturedly. Of course, I realize that there are exceptions in all cases but please do not use the word "undesirable" unless you can make good and prove something which may justify you in your criticism.

Will some one kindly write an argument to these few lines as I am writing and only too glad to hear what my brother florists have to say.

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Ave.Cleveland, Ohio—Adam Graham & Sons,
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Broadway.Detroit, Mich.—J. Breitmeyer's Sons,
corner Broadway and Gratiot Ave.

Houston, Tex.—Kerr, The Florist.

Kansas City, Mo.—Samuel Murray, 913
Grand Ave.

New London, Conn.—Reuter's.

New York—David Clarke's Sons, 2139-
2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—Young & Nugent, 42 W. 28th.

New York—Dards, N. E. corner 44th St.
and Madison Ave.

New York—Max Schling, 22 W. 59th St.

New York—G. E. M. Stumpp, 761 Fifth
Ave.New York—Thos. F. Galvin, Fifth Ave.,
at 46th St.

New York—Myer, 609-611 Madison Ave.

New York—A. T. Bunyard, 413 Madison
Ave.

Norwich, Conn.—Reuter's.

Omaha, Neb.—Hess & Swoboda, 1415
Farnum St.Rochester, N. Y.—J. B. Keller Sons, 25
Clinton Ave., N.St. Louis, Mo.—Fred C. Weber, 4326-28
Olive St.

St. Paul, Minn.—Holm & Olson, Inc.

Tarrytown-on-Hudson, N. Y.—F. R. Pier-
son Co.Toronto, Can.—J. H. Dunlop, 96 Yonge
St.Washington, D. C.—Gude Bros., 1214 F
St.Washington, D. C.—F. H. Kramer, 915
F St., N. W.

Westerly, R. I.—Reuter's.

Worcester, Mass.—Randall's Flower Shop,
3 Pleasant St.**MOTHERS' DAY.**I awoke one day in early May
To find they called it Mothers' Day.
There's naught so grand in all the land,
If we could only understand,
As Mothers' Day.I feel more lonesome than of yore
For mine who's on the other shore.
Gold bless her soul through all the year;
I'll ne'er forget to shed a tear
For Mother.That dear sweet smile once on her face
With me will always find a place.
Sweet as the flower, Forget-me-not,
Remains within that sacred spot
My heart.There's not a nation on the earth
That cannot give carnation birth.
Its color white; its semblance bright
For you to wear in noontide light
On Mothers' Day.Yet, with the odor of them all,
It matters not how great, how small,
There's ne'er a one
So all in all
As Mother.Sam Dawson, Jamestown, New York.
Copyrighted, 1914.**Penn. The Florist****"The Telegraph Florist"**

Member of Florists' Telegraph Delivery

37-43 Bromfield St., Boston, Mass.

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Best Florists in the States as References

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We cover the territory between

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OMAHA, NEB.**THE J. M. GASSER COMPANY,****CLEVELAND**

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FOR
TEXAS
The Florist HOUSTON, TEXAS
Member F. T. D. Association.

The Far-Famed Flowers of

TORONTODelivered on mail or telegraph order for
any occasion, in any part of the Dominion.**JOHN H. DUNLOP**

96 Yonge St., - - TORONTO, ONT.

HOUSE of FLOWERS ALBANY, N. Y.

MR. GLOECKNER wishes to announce to the retail trade that he will fill trade orders amounting to \$1.00 and upward in value from which he will allow the usual discount.

FURTHER: Invoice will be mailed immediately upon receipt of any telegraphic or mail orders for which he will expect payment within ten days.

ON THE OTHER HAND: On any orders which MR. GLOECKNER places with the trade he will expect the usual trade discount.

NEWS ITEMS FROM EVERYWHERE

BOSTON.

Chas. Evans of Watertown, has a fine lot of hydrangeas coming along early for the city.

Martin Tuohy, florist, of South Boston, announces his opening of a new retail store at 280 Devonshire street, Boston.

Julius Snyder, formerly manager of H. M. Robinson & Co.'s cut-flower department, has now joined B. A. Snyder & Co. as vice-president of the firm. Mr. Snyder has had a life-long experience in the florist trade.

During the storm Monday two men employed in the greenhouses of Paul E. Richwagen, Needham Heights, narrowly escaped serious injury when the large chimney and packing house in which they were working was blown down.

Some specialties noted this week are sweet peas from Kidder Bros., Lincoln; bachelor's buttons from L. E. Small of Tewksbury; yellow marguerites from Jas. Wheeler of Natick; pansies from W. C. Ward of East Milton; and gardenias from F. J. Dolansky of Lynn.

A. H. Hews & Co., Inc., of Cambridge, Mass., celebrated their 150th anniversary this week. This firm has established an enviable reputation for its product and undoubtedly is among the world's largest manufacturers of pots and red earthenware specialties. It was established in 1765 and incorporated 1904.

An electric storm on April 26 wrought much havoc in the small towns around Boston. The terrific high wind twisted the heating plant at the greenhouse of Thos. Capers, Wellesley Hills, into a mass of brick and iron. The gale blew with such force that a 300-foot greenhouse collapsed, causing damage estimated at \$5,000.

WASHINGTON, D. C.

The regular monthly meeting of the Florists' Club of Washington, D. C., will be held Tuesday evening, May 4. It is planned to have an extensive entertainment.

F. L. Mulford, landscape gardener of the Department of Agriculture, has

just returned to this city from a trip to Norfolk and Diamond Springs, Va., where he has been planting chrysanthemums for study purposes.

A gigantic flower bed is planned, seventy-five feet in length, either on the Plaza or the Monument grounds, to advertise the coming convention of the G. A. R. The proposed bed will contain the official badge of that organization worked out in form and color.

The retail florists' club, to which only those engaged in a strictly retail business in this city are eligible to membership, has been put on a firm basis, according to Wallace W. Kimmel, who was elected as temporary chairman at the meeting of the members held last week at the Hotel Hudson, where ways and means were discussed for eliminating the street vendors. This type of competition was condemned and it is said that it was for the purpose of killing it that the club was formed. Department store

sales of flowers and bulbs was also disapproved of. Refreshments were served during the meeting. Other temporary officers selected were Mr. Marche, treasurer, and Mr. Leapley, secretary.

The dealers here are very much disappointed in the continued dry weather, which prevents them from carrying on the large outdoor gardening projects, which usually fall to them at this time of the year. In speaking of this condition "Wally" Kimmel states that it is far too dry for such work and that considerable work has had to be abandoned. April is usually a rainy month, but this year has proved an exception to the rule. A northwest wind has prevailed for the past five or six weeks and the earth balls which protect the roots of the large evergreens, rhododendrons, azaleas and other plants, are so dry that they crumble while in transit, making impossible a satisfactory job of planting.



MEMORIAL DAY LEADERS

The Hawley Glass Cemetery Vase

Flared top, 7 1/2 inches in diameter, 9 inches deep, inside measure with 1 1/2 inch spike. Price \$2.00 a dozen.

Heavy Tin Lawn or Cemetery Vase

No. 1, in both green and white enamel, 6 3/4 inches deep and 4 inches in diameter, with a 4 inch spike. Price \$15.00 per 100.

No. 2 in green and white. These are 6 1/4 inches deep, 3 3/4 inches diameter and a 4 inch spike. Price \$12.00 per 100. Made with heavy sheet tin.

Stone Cemetery Vases

In blue only. These are 6 1/2 inches deep, 4 1/2 inches in diameter, with a 4 inch spike. Price \$1.50 per dozen.

N. F. MCCARTHY & CO.

112 Arch St. 31 Otis St.

BOSTON, MASS.

Memorial Day Profits

May be very much increased by good judgment in the selection of supplies of appropriate material. The goods we offer to the trade this year are of exceptional quality and fitness for this important day.

CREPE FLOWERS, such as Roses, Wisteria, Carnations, etc.; Magnolia Leaves, green and brown, in cartons and bulk—our famous **Higrade** quality, no torn or mouldy leaves; Metal Wreaths and Designs, home-made, fresh from the factory to you—no shop-worn stock sent out; Cemetery Vases of iron or tin and enamelled tin; Cape Flowers, best in the world.

All these and many other seasonable things constitute the stock you can get from us **NOW** and **MAKE MONEY** on them. Send for prices and you will be astonished to see how much you can do with a little money when you go straight to headquarters—**The Florists' Supply House of America.**

H. BAYERSDORFER & CO.

1129 Arch Street, PHILADELPHIA, PA.

PHILADELPHIA.

Friends of George Burton, a distinguished rose grower at Chestnut Hill, and by friends that means everybody, including the members of the Florists' Club of Philadelphia, of which Mr. Burton is president, will be pleased to learn that he is progressing favorably after a surgical operation, on the 21st inst., for appendicitis. We join in congratulations and are rejoiced to know that every indication is favorable.

L. P. Rankin has leased the Foster greenhouses at Westerly, R. I., and will move from Lansdowne with his family May 1. Mr. Rankin has been foreman for Wm. K. Leonard and other famous rose growers in this vicinity, and everybody wishes him well in his new enterprise. He has made his mark as a grower and we feel sure he will make good more and more as the years roll by.

Percy Barnard's Jew-Packard car stopped suddenly ten miles from nowhere, one day. Percy got out and carefully examined all the interior arrangements. Everything seemed to be all right. After half an hour's sweating and cogitating Percy came to the conclusion, "hanged if I don't believe this old machine will go better with gasoline than without!"

A friend of Percy's (James Brown, Jr., of Coatesville), has bought one, but he has asked me to say nothing about it until he has learned how to drive. He doesn't want a lot of fellows coming around just yet. I guess a car is like getting married. When, after about a year or so, you have

found out the worst about each other, you can then proceed to live comfortably together and enjoy life.

Samuel S. Pennock is the latest recruit to the auto brigade. He has resisted the temptation for many years.

SAN FRANCISCO

C. W. Ward has started a large nursery at Eureka, where the soil and climate conditions are ideal. He has arranged for 2,500 square feet of space in the S. A. F. convention garden.

John McLaren, superintendent of Golden Gate Park, was director of tree-planting exercises held at the Civic Center recently under the auspices of the Native Sons of the Golden West. Angelo J. Rossi served as chairman of the arrangements committee.

Articles of incorporation have been filed in San Francisco for the United Flower & Supply Co., with a capital stock of \$10,000, by I. Adachi, H. T. Oichi, T. Masunda et al. The company opened for business on Bush street, next door to Domoto Bros., some time ago.

The shipping season has just closed at the United States Plant Introduction gardens at Chico, Cal., and R. L. Beagles, who has charge of the gardens, announced that 6,000 packages, containing about 90,000 plants, have been shipped from Chico since January 1, the shipments going to all parts of the country.

Chairmen of the various committees to make arrangements for the S. A. F. convention were named as follows at a meeting of the ways and means committee of the Pacific Coast Horticultural

Society last week: Executive, Daniel MacRorie; publicity, J. W. Gregg; program and outing, A. J. Rossi; hotel, F. Bertrand; reception, J. R. Fotheringham; finance, H. Plath; garden, John McLaren; ladies' entertainment, W. A. Hofinghoff; sports, V. Podesta.

Preparations have been completed for a flower show to be held in the Palace of Horticulture at the Exposition, May 7 to 9 inclusive, under the auspices of the California State Floral Society and the Alameda County Floral Society in conjunction with the Department of Horticulture of the Exposition. There will be three classes of exhibits. Class "A" will include cut flowers grown by amateurs; Class "B," cut flowers grown by amateurs who employ skilled labor. Class "C" will be devoted to professional growers. A large number of prizes will be given, and entries must be in the secretary's hands at least forty-eight hours in advance of the opening of the exhibition.

Detroit, Mich.—On May 1st C. H. Maynard will open for business "The Norwood Rosery," 1509 Woodward Ave.



Real Butterflies

Moths, Beetles, etc., mounted on pins for floral decorations of every description. Largest stock in America.

Write for prices.

The New England Entomological Company
366 Arborway, Jamaica Plain, Mass.

HEADQUARTERS FOR

BEAUTIES

LILAC AND SNAPDRAGON

When in the market let us quote you.
Our prices are always right.

THE LEO NIESSEN CO.

Wholesale Florists

N. W. Cor. 12th and Race Sts., PHILADELPHIA, PA.

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HELP Us to Continue
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BEST TRADE PAPER

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When Writing to Advertisers

THE BEST LETTERS

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MADE
BY THE**Boston Florist Letter Co.**66 PEARL ST., BOSTON
N. F. McCarthy, Mgr.Block Letters, \$2.00 per 100.
Script Letters, \$3.00 per 100.Order direct or buy from your local
supply dealer. Insist on having the**BOSTON**Inscriptions, Emblems, etc. Always
in Stock.**C. E. CRITCHELL**

"The" Wholesale Florist of Cincinnati
32-34-36 East Third Street

Consignments Solicited. Complete stock of
Florists' Greens and Supplies.

Mention Horticulture when writing.

Wired Toothpicks

Manufactured by

W. J. COWEE, Berlin, N. Y.

10,000....\$1.75. 50,000....\$7.50. Sample free
For sale by dealers.

E. G. HILL CO.

Wholesale Florists

RICHLAND, IND.

Please mention Horticulture when writing.

POEHLMANN BROS. CO.

Supply of Best Cut Flowers all the Year Around
72-74 EAST RANDOLPH ST., - - - CHICAGO.

If interested, send us your name and address for our weekly price list.

WELCH BROS. CO.AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE
SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS**BEST PRODUCED****226 Devonshire Street,****Boston, Mass.****WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100****TO DEALERS ONLY**

	CINCINNATI April 27		CHICAGO April 26		BUFFALO April 26		PITTSBURG April 19	
Roses								
Am. Beauty, Special.....	25.00	to 27.00	25.00	to 35.00	20.00	to 25.00	25.00	to 30.00
" " Fancy and Extra.....	12.50	to 15.00	20.00	to 30.00	12.00	to 15.00	15.00	to 20.00
" " No. 1.....	5.00	to 10.00	10.00	to 20.00	6.00	to 10.00	6.00	to 12.00
Killarney, Richmond, Extra.....	5.00	to 6.00	5.00	to 6.00	5.00	to 7.00	6.00	to 8.00
" " Ordinary.....	1.00	to 4.00	2.00	to 3.00	3.00	to 4.00	2.00	to 4.00
Hillingdon, Ward, Sunburst, Extra.....	5.00	to 7.00	5.00	to 6.00	6.00	to 9.00	6.00	to 8.00
" " Ordinary.....	2.00	to 4.00	2.00	to 3.00	4.00	to 6.00	2.00	to 4.00
Maryland, Radiance, Taft, Extra.....	5.00	to 6.00	5.00	to 6.00	6.00	to 8.00	6.00	to 8.00
" " Ordinary.....	2.00	to 4.00	3.00	to 5.00	3.00	to 6.00	2.00	to 4.00
Russell, Hadley, Ophelia, Mock.....	2.00	to 3.00	4.00	to 20.00	5.00	to 7.00	4.00	to 10.00
Carnations, Fancy.....	1.00	to 2.00	2.00	to 3.00	1.50	to 2.00	.....	to 2.00
" " Ordinary.....	.50	to 1.00	1.00	to 1.50	1.00	to 1.50	.....	to 1.50
Cattleyas.....	25.00	to 30.00	5.00	to 60.00	10.00	to 40.00	35.00	to 50.00
Lilies, Longiflorum.....	5.00	to 8.00	5.00	to 10.00	8.00	to 10.00	6.00	to 10.00
" " Rubrum.....	.....	to 1.00	.....	to 1.00	.....	to 1.00	.....	to 1.00
Lily of the Valley.....	3.00	to 4.00	3.00	to 4.00	.....	to 4.00	3.00	to 4.00
Daisies.....	.50	to 1.00	1.00	to 2.00	1.00	to 1.50	1.50	to 3.00
Violets.....	.50	to 1.00	.40	to .60	.30	to .50	.....	to .50
Snapdragon.....	2.00	to 3.00	3.00	to 12.00	3.00	to 5.00	4.00	to 8.00
Iris.....	.....	to 1.00	.....	to 1.00	.....	to 1.00	.....	to 1.00
Freesias.....	.....	to 1.00	.....	to 1.00	.....	to 1.00	.....	to 1.00
Daffodils.....	.....	to 2.00	2.00	to 3.00	1.00	to 2.00	2.00	to 3.00
Tulips.....	.....	to 2.00	2.00	to 3.00	1.00	to 2.00	1.50	to 3.00
Sweet Peas.....	.45	to .50	.50	to 1.25	.50	to 1.50	.50	to 1.00
Corn Flower.....	.....	to 1.00	.....	to 1.00	.....	to 1.00	.....	to 1.00
Gardenias.....	.....	to 2.00	.....	to 2.00	.....	to 2.00	20.00	to 30.00
Adiantum.....	.....	to 1.00	1.00	to 1.50	1.00	to 1.25	.....	to 1.25
Smilax.....	12.50	to 15.00	15.00	to 20.00	.....	to 15.00	.....	to 15.00
Asparagus Plumosus, Strings (100).....	35.00	to 50.00	50.00	to 60.00	40.00	to 50.00	40.00	to 50.00
" " & Spreng. (100 bchs.).....	.....	to 35.00	25.00	to 35.00	25.00	to 35.00	35.00	to 50.00

WILLIAM F. KASTING CO.**Wholesale Florists****383-387 ELLICOTT ST. - - - BUFFALO, N. Y.****CUT FLOWER BOXES**

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

Telephone 3860 Madison Square

WOODROW & MARKETOS

WHOLESALE

Plantmen and Florists**37 and 39 West 28th St., NEW YORK****EDWARD REID****WHOLESALE FLORIST**

1619-21 RANSTAD ST., PHILADELPHIA, PA.

CHOICE BEAUTIES, ORCHIDS, VALLEY, ROSES
and all Seasonable Varieties of Cut Flowers

MICHIGAN CUT FLOWER**EXCHANGE, Inc.****WHOLESALE COMMISSION FLORISTS**

Consignments Solicited

Hardy Fancy Fern Our Specialty

264 RANDOLPH ST., DETROIT, MICH

Flower Market Reports

BOSTON The markets are in as stagnant a condition as they have ever been so far this year. The weather has been very variable, changing suddenly from a record hot day to a damp chill, with lowering clouds threatening torrents of rain. We have had a long-continued period of drought and rain will be welcome all over New England. There is an oversupply of everything, the demand is weak, and consequently prices are lower and unsatisfactory. The street boys and temporary stores help somewhat to clean up the low grades of flowers. Roses, especially Beauties, are plentiful and of fine quality, but the shorter grades sell much better than the 6-foot blooms that are coming in in such large quantity. Carnations overcrowd and move slowly. Spencer sweet peas are in fair demand. The common varieties are not so easily moved. There is a heavy supply of yellow marguerites, stocks, pansies and cornflower, which meet with a better call than for most kinds of flowers just now. It is expected that local retailers will make some attempt to exploit May Day and thus relieve the markets a bit of the existing dullness.

BUFFALO, N. Y. There has been very little improvement in market conditions during the past week. The supply on everything, especially carnations, roses and lilies is still very abundant and prices have gone all to pieces. The weather being much of the summer variety has forced everything faster than it can be handled to advantage. The market is overloaded, especially with carnations which are hard to move at any decent price. Outdoor daffodils are overflowing and lilac has been added to the list. There are no weddings and floral work is very light, simply no business.

CHICAGO The situation in the Chicago market has varied little during the past week, and that little was not for the better. All kinds of stock is being hurried along by the high temperature and so far the quality has not been affected. It is not so much a matter of selling the flowers, as the getting of a fair price for them. Everyone knows that the supply and the demand are far apart and which one is out of the normal is not the question; the flowers must be sold. There is a scheduled price, it is true, but it varies every hour in the day, as the cut is poured into the market. The thousands of long-stemmed Beauties used in the ceremonies at the City Hall, Monday, as well as the quantities of other flowers, helped to decrease stock and such an event would be a godsend if it could occur each day.

CINCINNATI The present condition of the market and prospects for the immediate future are not very promising. The glut of the last few weeks continues. Warm, bright summer weather has up to this time only made it worse than it was. No single line of stock realizes anything like a good price. The call for stock and supplies



Mrs. Charles Russell

As the weather gets warmer the quality of most varieties of Roses gets poorer. Not so with Russell, they are just as fine as at any time this season. They are of such unusual quality that "FINE" hardly expresses it—splendid, large, deep colored buds on good stems.

Special	\$15.00	per 100
Fancy	10.00	" "
Extra	8.00	" "
First	6.00	" "
Second	4.00	" "

Some exceptionally fine Russells—really exhibition flowers at 20c.

Everything in Ribbons and Florists' Supplies. Send for our catalogue.

S. S. PENNOCK-MEEHAN CO.

The Wholesale Florists of Philadelphia

NEW YORK, 117 W. 28th St.
PHILADELPHIA, 1608-1620 Ludlow St.
BALTIMORE, Franklin and St. Paul Sts.
WASHINGTON, 1216 H St., N. W.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

Roses	BOSTON		ST. LOUIS		PHILA.	
	April 29		April 26		April 27	
Am. Beauty, Special	20.00	to 35.00	20.00	to 35.00	12.00	to 20.00
" " Fancy and Extra	10.00	to 20.00	10.00	to 15.00	5.00	to 8.00
" " No. 1	4.00	to 10.00	5.00	to 8.00	2.00	to 4.00
Killarney, Richmond, Extra	4.00	to 10.00	4.00	to 6.00	4.00	to 5.00
" " Ordinary	1.00	to 3.00	1.00	to 2.00	1.00	to 3.00
Hillingdon, Ward, Sunburst, Extra	6.00	to 12.00	4.00	to 8.00	4.00	to 6.00
" " Ordinary	2.00	to 4.00	2.00	to 3.00	1.00	to 3.00
Maryland, Radiance, Taft, Extra	6.00	to 12.00	4.00	to 6.00	3.00	to 12.00
" " Ordinary	3.00	to 4.00	2.00	to 3.00	2.00	to 3.00
Russell, Hadley, Ophelia, Mock	4.00	to 12.00	5.00	to 10.00	3.00	to 12.00
Carnations, Fancy	2.00	to 3.00	1.00	to 2.00	2.00	to 3.00
" " Ordinary	1.00	to 2.00	.50	to .75	.75	to 1.00
Cattleyas	2.00	to 35.00	35.00	to 40.00	40.00	to 50.00
Lilies, Longiflorum	6.00	to 6.00	6.00	to 8.00	4.00	to 8.00
" " Rubrum	6.00	to 6.00	6.00	to 6.00	6.00	to 6.00
Lily of the Valley	2.00	to 3.00	3.00	to 4.00	2.00	to 3.00
Daisies	.50	to 1.50	1.00	to 2.00	.75	to 1.00
Violets	.25	to .50	...	to ...	...	to ...
Snapdragon	2.00	to 3.00	2.00	to 3.00	2.00	to 3.00
Iris	.25	to 1.00	...	to ...	...	to ...
Freemias	1.00	to 2.00	1.00	to 2.00	...	to ...
Daffodils	1.00	to 3.00	1.00	to 2.00	1.00	to 1.50
Tulips	.25	to 2.00	1.00	to 2.00	...	to ...
Sweet Peas	.25	to 1.00	.15	to .40	.30	to .75
Corn Flower	.10	to .75	...	to ...	1.50	to 2.00
Gardenias	20.00	to 30.00	...	to ...	6.00	to 15.00
Adiantum	.50	to 1.00	1.00	to 1.25	1.00	to 1.50
Smilax	10.00	to 12.00	10.00	to 15.00	12.00	to 15.00
Asparagus Plumosus, Strings (100)	25.00	to 50.00	35.00	to 50.00	50.00	to 50.00
" " & Spreng. (100 Bchs.)	25.00	to 40.00	15.00	to 20.00	35.00	to 50.00

from out of town is pretty good. Roses, carnations and lilies continue to be as plentiful as at the last writing. Callas, too, are abundant and are generally very good. The hot days and nights are beginning to tell on the sweet peas. Antirrhinum has a very poor market. The call for lily of the valley and orchids is good only at times. A few good Spanish iris are offered. Smilax is still rather scarce. The demand for ferns and green sheet moss is very large.

NEW YORK The same redundancy of flowers which has choked the wholesale markets still continues and without any apparent relief in sight for the immediate future. The wholesale markets are heaped high with huge quantities of lilies, Spanish irises, stocks, sweet peas and snapdragons all of which are unsaleable at any set figure, however low the figure may be. Of course there are roses and carnations galore and there is at least the one little satisfaction of mentioning that

the quality is of the highest standard, but this does not sell them. Cattleyas of the deep-colored Mossiae type so much in demand at Easter are here now in quantity, but the call has faded away and prices have dropped, as they have also on gardenias and other fancy material. There are still a few violets in sight and fairly good, but they get little attention. All bulbous stock is yet plentiful—even paper white narcissus lingering in spots here and there.

PITTSBURGH Florists are bemoaning all-too-plentiful stock, especially of roses and carnations. It is feared that the present oversupply of roses as the outcome of the unusually hot weather will cause a shortage for June. The intermittent showers of the past few days have gladdened the hearts of the growers, but the small, stunted blooms of the tulips and other bulbs tell of the scarcity of snow and rain during the past fall and winter.

Continued on page 603

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Wholesale Commission Florist
Choice Cut Flowers

New Address, 145 West 28th St., NEW YORK

Telephone: 2200, 2201, Madison Square.

Moore, Hentz & Nash

Wholesale Commission Florists

65 and 57 West 26th Street

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107 W. 28th Street, NEW YORK

Call and inspect the Best Establishment
in the Wholesale Flower District.

GEO. C. SIEBRECHT

WHOLESALE FLORIST

109 WEST 28th ST

CONSIGNMENTS SOLICITED

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JOHN YOUNG

Wholesale Florist

53 WEST 28th STREET NEW YORK CITY

Consignments Solicited

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Ferns, Mosses, Wild Smilax, Galax,
Lonicera, Palmetto, Cycas, both fresh
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NEW YORK QUOTATIONS PER 100. To Dealers Only**ROSES AND CARNATIONS**

	Last Half of Week ending Apr. 24 1915		First Half of Week beginning Apr. 26 1915	
American Beauty, Special	5.00	to 12.00	8.00	to 12.00
" " Fancy and Extra	4.00	to 5.00	.....	to 8.00
" " No. 1	2.00	to 3.00	2.00	to 3.00
Killarney, Richmond, Extra	1.00	to 4.00	1.00	to 4.00
" " Ordinary .....	.25	to 1.00	.25	to 1.00
Hillingdon, Ward, Sunburst, Extra	1.00	to 4.00	1.00	to 4.00
" " Ordinary .....	.25	to 1.00	.25	to 1.00
Maryland, Radiance, Taft, Extra	2.00	to 4.00	2.00	to 4.00
" " Ordinary .....	.25	to 2.00	.25	to 1.00
Russell, Hadley, Ophelia, Mock	1.00	to 12.00	1.00	to 12.00
Carnations, Fancy	1.50	to 2.00	1.00	to 2.00
" " Ordinary50	to 1.00	.50	to 1.00

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TELEPHONE MAIN 2698

American Beauties, Orchids, Valley, Carnations. All the novelties in the Cut Flower Market furnished on short notice. Prices quoted on application. No retail orders accepted. Flowers shipped out of Boston on early trains. Store open for business at 6 A. M.

Flower Market Reports

(Continued from page 601)

There was a slight improvement in the market here last week as compared with the previous three weeks. This improvement was caused by a slackening up in supplies, and although this was not pronounced enough to stiffen prices it did have some effect on the clean-up and the general average. Roses are not quite so plentiful, but there is no change in prices. Quotations remain very low. Carnations very plentiful. Orchids are pretty fair stock, good Mossiae selling right well. Sweet peas are still in large supply, but quality not so good. Most growers are cutting from old vines. It takes new stock to give the best flowers. Baby gladioli such as Delicatissima, Blushing Bride, etc., have made their appearance and meet with ready sale. Outdoor sprays of flowering almond and apple add a little in the way of artistic verisimilitude to the situation, but there is no money in this class of stock.

Growers of this vicinity continue to feel beneficial effects from the exposition. Many of the exhibitors keep cut flowers at their booths continuously; the foreign and state buildings require a good many, which together with the large amounts used in decorative work at exposition functions creates new business enough to relieve the market of any over-supply. The large number of conventions being held here this year is another factor, which will no doubt bring considerable business to the florist trade. All in all the situation looks quite bright for the florists of this city. Spanish iris is now at its best, and the offerings are in good demand. Gladioli are plentiful with a fair movement, and an excellent supply of peonies has made its appearance. Outdoor stock is coming in nicely. Good lilies of the valley are scarce. Interest in sweet peas has picked up a little and carnations have cleaned up a little better the last few days. All varieties of roses are in good supply. They are popular for decorative work, which helps to keep surplus stock down to a minimum.

ST. LOUIS This market last week was in a very much overcrowded condition

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Apr. 24 1915		First Half of Week beginning Apr. 26 1915	
Cattleyas.....	15.00	to 35.00	15.00	to 35.00
Lilies, Longiflorum.....	1.00	to 3.00	1.00	to 3.00
Rubrum.....	2.00	to 4.00	2.00	to 4.00
Lily of the Valley.....	1.00	to 2.00	1.00	to 2.00
Daisies.....	.....	to 1.00	.....	to 1.00
Violets.....	.10	to .20	.10	to .20
Snapdragon.....	1.00	to 3.00	1.00	to 3.00
Iris.....	1.00	to 2.00	1.00	to 2.00
Freesias.....	.....	to .....	.....	to
Daffodils.....	.50	to 1.00	.50	to 1.00
Tulips.....	.50	to 1.00	.50	to 1.00
Sweet Peas.....	.50	to .75	.50	to .75
Corn Flower.....	.....	to 1.00	.....	to 1.00
Gardenias.....	2.00	to 10.00	2.00	to 10.00
Adiantum.....	.50	to .75	.50	to .75
Smilax.....	8.00	to 10.00	8.00	to 12.00
Asparagus Plumosus, strings (per 100).....	15.00	to 35.00	15.00	to 35.00
& Spren (100 bunches).....	10.00	to 20.00	10.00	to 20.00

and prices obtained for some of the stock in big lots could not be quoted correctly. The waste was greater than at any time this season. Roses in all grades, carnations, lilies, callas, lily of the valley, sweet peas and all bulbous stock all went at very low prices. These conditions, from the looks of the receipts, will continue this week.

WASHINGTON, D. C. Wholesalers are hoping for a con-

tinuance of the present extremely hot weather, that the market may be cleaned up and the glut passed. The mercury has gone beyond the hundred-degree mark and, following a cold spell, roses and carnations have been coming along in uncountable quantities. Locally grown roses are gradually getting smaller and are surpassed to some extent by those produced in the north. So plentiful were American Beauty roses early last week that they could be had at \$10 per hundred, but present quotations are considerably higher. Some very excellent Mock roses are to be had, and Killarney Brilliant and Killarney Queen are coming along nicely. The violet season is about over. There has also been a decrease in the cut of sweet peas. Easter lilies have been shelved for the season, and the callas that come in fail of ready sale. Spanish iris has been in pretty good demand. The annual convention of the Daughters of the American Revolution brought considerable additional business. The run was good on high-priced flowers; the corsage business was quite heavy and there were many entertainments requiring decorations. Through this, the sale of orchids, gardenias, novelty roses, carnations and

American Beauty roses was made good.

NEW YORK.

The 28th street wholesale flower fraternity are going through an unprecedented shaking up, J. K. Allen goes down a few doors in the same block where he has been located for over fifteen years. H. E. Froment leaves the old block and goes to the west of Sixth Ave., to a new outpost and the store at No. 57 which he abandons has been leased by C. C. Trepel for a sort of clearing house for his widely scattered interests. Traendly & Schenck have quit 28th street entirely and gone into a new location on Sixth Ave. near to the 26th street flower market and P. J. Smith leaves his old place at No. 49 to take the store at 131 deserted by Traendly & Schenck. It will take the habitudes of the morning markets some little time to find their bearings with all these changes.

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APHIS PUNK

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AZALEAS

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August Rolker & Sons, New York.
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BAY TREES—Standard and Pyramids.
All sizes. Price List on demand. JULIUS
ROEHR'S CO., Rutherford, N. J.

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Julius Roehrs Company, Rutherford, N. J.
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R. & J. Farquhar & Co., Boston, Mass.
Farquhar's Tuberous Rooted Begonias.
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Begonia, Glory of Cincinnati; we have
some extra early propagated strong young
plants now ready; these will make fine spec-
imens for the Christmas trade; \$18 per 100,
net. Cash with order please. We are the
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"King Ideal" Boiler.
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Folding cut flower boxes, the best made.
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N. J.

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Ralph M. Ward & Co., New York City.
Lily Bulbs.
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John Lewis Childs, Flowerfield, L. I., N. Y.
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Begonias and Caladiums.
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Chas. Schwake & Co., New York City.
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Summer Flowering Bulbs.
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Bulbs of all descriptions. Write for prices.
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Send for Canna book.

THE CONARD & JONES COMPANY,
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5000 King Humbert Cannas, \$2.00 per 100,
200 for \$3.50; also 50,000 seasonable shrubs,
vines, privet, etc., low. Send for list.
BENJ. CONNELL, Florist, Merchantville,
N. J.

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Split carnations quickly, easily and
cheaply mended. Pillsbury's Carnation
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The most popular Commercial and Ex-
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Donatello, Hallday, Bonaffon, Unake,
Pacific Supreme, Dr. Englehard, \$15.00 per
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Yanoma, Comoleta, Chrysolora, Roman
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per 1000. H. J. ROLFE, Hammonont, N. J.

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Send for Wholesale List of whole clumps
and separate stock; 40,000 clumps for sale.
Northboro Dahlia and Gladiolus Gardens,
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John Wanamaker, Newest, Handsomest,
Best. New color, new form and new habit
of growth. Big stock of best cut-flower
varieties. Send list of wants to
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FOR SALE: Dracaena indivisa, from 2-
in. pots, \$4.00 a hundred. Cash with order.
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Fuchsias—Black Prince, Speciosa, double
purple and white, Rooted Cuttings, \$1.00
per 100; 2½-in., \$2.00 per 100.
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GERANIUMS—3¼-inch pots, S. A. Nutt
and La Favorite, \$6.00 and \$8.00 per 100;
Poltevine Pink, \$8.00 per 100 in bud and
bloom. Cash. CHAS. H. GREEN, Spen-
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Second and Third-size Bulbs. Write for
Prices.

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Standard Insecticides.
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Nico Fume Liquid and Paper.
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Benj. Hammond, Beacon, N. Y.
Hammond's Insecticides.

Plantlife Co., New York City.
Plantlife Insecticide.

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Geo. N. Barrie, Brookline, Mass.
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English Ivy Rooted Cuttings, 75c. per 100,
post paid. From soil 20 to 30 in., \$3.00.
From pots 12 to 15 in., \$4.00. CHAS. FROST,
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Lemon Oil Co., Baltimore, Md.
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Horticultural Importers and Exporters.
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Japanese Lily Bulbs of Superior Quality.
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Corp. of Chas. F. Meyer, New York City.
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National Nurseryman Publishing Co., Inc.,
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NIKOTIANA

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P. Ouwerkerk, Weehawken Heights, N. J.
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NURSERY STOCK—Continued

Bay State Nurseries, North Abington, Mass.
Hardy Northern Garden Stock.
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Boddink & A. L. B. B. Rutherford, N. J.
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Framingham Nurseries, Framingham, Mass.
For page see List of Advertisers.

August Rolker & Sons, New York City.
For page see List of Advertisers.

Choicest lawn shrubs, flowering plants and
border perennials. Large stock. Prices
low. Any quantity. Send for list.

WYOMANOCK NURSERIES,
R. T. Lebanon Springs, N. Y.

NUT GROWING.

The Nut-Grower, Waycross, Ga.
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ORNAMENTAL PLANTS

Henry A. Dreer, Philadelphia, Pa.
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ONION SETS

Leonard Seed Co., Chicago, Ill.
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Schilder Bros., Chillicothe, O.
Onion Seed. Onion Sets.
For page see List of Advertisers.

ORCHID FLOWERS

Jar. McManus, New York, N. Y.
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ORCHID PLANTS

Julius Roehrs Co., Rutherford, N. J.
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Lager & Hurrell, Summit, N. J.

PALMS, ETC.

Robert Craig Co., Philadelphia, Pa.
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August Rolker & Sons, New York City.
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PELARGONIUMS

R. Vincent, Jr., & Sons Co., White Marsh,
Md.
Pelargonium Florida.
For page see List of Advertisers.

PEONIES

Peonies. The world's greatest collection.
1200 sorts. Send for list. C. BETSCHER,
Canal Dover, O.

PECKY CYPRESS BENCHES

A. T. Stearns Lumber Co., Boston, Mass.
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PIPE AND FITTINGS

Kroeschell Bros. Co., Chicago.
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Perry, Buxton, Doane Co., So. Boston, Mass.
Second Hand Pipe.
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King Construction Company,
N. Tonawanda, N. Y.
Shelf Brackets and Pipe Hangers.
For page see List of Advertisers.

PLANT AND BULB IMPORTS

Chas. Schwake & Co., New York City.
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August Rolker & Sons, New York City.
For page see List of Advertisers.

PLANT TRELLISES AND STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. SEELE & SONS, Elkhart, Ind.

PLANT TUBS

American Woodware Mfg. Co., Toledo, O.
Tree Tubs and Brass Hoop Jardineres.
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H. A. Dreer, Philadelphia, Pa.
"Riverton Special."
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PORTO-PANAMA RAIS.

Martin Lopez & Co., S. G. G. G.
Porto Rico

RAFFIA

McHutchison & Co., New York, N. Y.
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RHODODENDRONS

P. Ouwerkerk, Hoboken, N. J.
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RIBBONS AND CHIFFONS

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ROSES

Henry A. Dreer, Philadelphia, Pa.
Roses for Outdoor Planting.
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Poehlmann Bros. Co., Morton Grove, Ill.
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P. Ouwerkerk, Hoboken, N. J.
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Arthur T. Boddington, New York City.
Hardy Roses.
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Robert Craig Co., Philadelphia, Pa.
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W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
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Bay State Nurseries, North Abington, Mass.
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August Rolker & Sons, New York City.
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W. E. Marshall & Co., New York City.
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Framingham Nurseries, Framingham, Mass.
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A. N. Pierson, Inc., Cromwell, Conn.
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Alex. Lister, Wenham, Mass.

Rose Specialists.

THE CONARD & JONES COMPANY,
West Grove, Pa. Send for offers.

SEASONABLE PLANT STOCK

R. Vincent, Jr. & Sons Co., White Marsh,
Md.
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J. E. Felthousen, Schenectady, N. Y.
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Alonzo J. Bryan, Washington, N. J.
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North Shore Florist and Nursery Co.,
Beverly Farms, Mass.
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SEED GROWERS

Leonard Seed Co., Chicago, Ill.
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California Seed Growers' Association,
San Jose, Cal.
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Brasilian Seed Growers Co., San Jose, Cal.
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SEEDS

Carter's Tested Seeds,
Seeds with a Pedigree.
Boston, Mass., and London, England
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Schilder Bros., Chillicothe, O.
Onion Seed—Onion Sets.
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SEEDS—Continued

Joseph Breck & Sons, Boston, Mass.
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Kelway & Son,
Langport, Somerset, England.
Kelway's Celebrated English Strain Garden
Seeds.

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J. Boigliano & Son, Baltimore, Md.
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A. T. Boddington, New York City.
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Chas. Schwake & Co., New York City.
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Mitchell's Seed House, Philadelphia, Pa.
Primula Seed.
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W. Atlee Burpee & Co., Philadelphia, Pa.
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R. & J. Farquhar & Co., Boston, Mass.
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Thos. J. Grey Co., Boston, Mass.
Seeds for Present Planting.
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Leonard Seed Co., Chicago, Ill.
Peas, Beans, Radish and all Garden Seeds.
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J. M. Thorburn & Co., New York City.
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S. Bryson Ayres Co., Independence, Mo.
Sweet Peas.
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Loebner & Co., New York City.
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Ant. C. Zvolanek, Lompoc, Cal.
Winter Flowering Sweet Pea Seed.
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S. S. Skidelsky & Co., Philadelphia, Pa.
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August Rolker & Sons, New York City.
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Burnett Bros., 98 Chambers St., New York.
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Fottler, Fiske, Rawson Co., Boston, Mass.
Aster Seed.
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SHELF BRACKETS

Metropolitan Material Co., Brooklyn, N. Y.

SKINNER IRRIGATION SYSTEM

Geo. N. Barrie, Brookline, Mass.
For page see List of Advertisers.

SNAPDRAGONS

Thoroughly Tested Strains.

Silver Pink, Golden Fleece, Pure white
(winter bloomer). Rooted cuttings, \$2.00
per 100; potted plants, 2-inch, \$4.00 per 100.

F. SOUTHWORTH,

25 Hudson St., Lynn, Mass.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and
orchid baskets always on hand. LAGER
& HURRELL, Summit, N. J.

SPRAYERS

George N. Barrie, Brookline, Mass.
The Barrie Soap Sprayer.
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STOVE PLANTS

Orchids—Largest stock in the country—
Stove plants and Crotons, finest collection.
JULIUS ROEHRS CO., Rutherford, N. J.

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SWEET PEA SEED

Ant. C. Zvolanek, Lompoc, Calif.
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S. Bryson Ayres Co.,
Sunnyslope, Independence, Mo.
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THE ANGLE LAMP

Globe Gas Light Co., Boston, Mass.
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VENTILATING APPARATUS

The Advance Co., Richmond, Ind.
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The John A. Evans Co., Richmond, Ind.
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VERMICIDES

Aphine Mfg. Co., Madison, N. J.
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WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
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WIREWOK

Reed & Keller, New York City.
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WILLIAM E. HEILSCHER'S WIRE
WORKS, 264 Randolph St., Detroit, Mich.

WHOLESALE FLORISTS

Albany, N. Y.

Albany Cut Flower Exchange, Albany, N. Y.
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Baltimore

The S. S. Pennock-Meehan Co., Franklin
and St. Paul Sts.
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Boston

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31 Otis St.
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Brooklyn

Wm. H. Kuebler, 28 Willoughby St.
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William F. Kasting Co., 383-87 Ellicott St.
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Chicago

Poehimann Bros. Co., Morton Grove, Ill.
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C. E. Critchell, 34-36 Third Ave., East.
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Detroit

Michigan Cut Flower Exchange, 38 and 40
Broadway.
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James McManus, 105 W. 28th St.
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W. F. Sheridan, 133 W. 28th St.
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P. J. Smith, 131 West 28th St., N. Y.
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Moore, Hentz & Nash, 55 and 57 W. 26th St.
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The S. S. Pennock-Meehan Co., 117 West
28th St.
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Traendly & Schenck, 436 6th Ave., between
26th and 27th Sts.
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Badgley, Riedel & Meyer, Inc., New York.
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Woodrow & Marketos, 37 & 39 West 28th St.
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J. K. Allen, 118 W. 28th St.
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George C. Siebrecht, 109 W. 28th St.
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John Young, 53 West 28th St.
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M. C. Ford, 121 West 28th St.
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Guttman & Reynor, Inc., 101 W. 28th St.,
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Philadelphia

Leo, Niessen Co., 12th and Race Sts.
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Edward Reid, 1619-21 Ranstead St.
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The S. S. Pennock-Meehan Co., 1608-20
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Stuart H. Miller, 1617 Ranstead St.
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Richmond, Ind.

E. G. Hill Co.
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Rochester, N. Y.

George B. Hart, 24 Stone St.
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Washington

The S. S. Pennock-Meehan Co., 1216 H St.,
N. W.
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New Offers In This Issue**BUDDLEIA VARIABILIS.**

W. R. Nicholson, Framingham, Mass.
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CHRYSANTHEMUMS.

Chas. H. Totty, Madison, N. J.
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FLOWERS BY TELEGRAPH.

Gloeckner, Albany, N. Y.
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GLADIOLUS.

Arthur T. Boddington, New York, N. Y.
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GREENHOUSE CONSTRUCTION.

S. Jacobs & Sons, Brooklyn, N. Y.
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HYACINTHS, DAFFODILS AND TULIPS.

I. Quint, Roxbury, Mass.
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LIQUID PUTTY MACHINE.

Metropolitan Material Co., Brooklyn, N. Y.
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MEMORIAL DAY SUPPLIES.

H. Bayersdorfer & Co., Philadelphia, Pa.
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RED EARTHENWARE — POTS, VASES, PANS, URNS, JARS DISHES, BOWLS, ETC.

A. H. Hews & Co., Inc., Cambridge, Mass.
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ROSE MRS. CHARLES RUSSELL.

S. S. Pennock-Meehan Co., Philadelphia, Pa.
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SEEDS FOR PRESENT SOWING.

J. M. Thorburn & Co., New York City.
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WEED DESTROYER.

Pino-Lyptol Chemical Co., New York City.
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WHOLESALE FLORIST.

Patrick Welch, Boston, Mass.
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WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "Care HORTICULTURE" should be sent to 147 Summer St., Boston.

FOR SALE

FOR SALE—Fresh from factory, new; 10 x 12, 16 x 18, 16 x 24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money. PAR-SHELSKY BROS., INC., 215-217 Havemeyer St., Brooklyn, N. Y.

PROPOSALS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., April 17, 1915. Sealed proposals will be received in this office until 3 P. M., May 5, 1915, and then opened, for planting trees, shrubs, etc., on the grounds of the Federal Buildings at Mattoon, Illinois, Abbeville, South Carolina, and Marlboro and North Adams, Massachusetts, in accordance with drawings and specifications, copies of which may be had upon application to the respective custodians of the buildings, or at this office. Jas. A. Wetmore, Acting Supervising Architect.

THE NUT-GROWER

The unique monthly publication which furnishes reliable and interesting up-to-date information regarding the value of pecans and other edible nuts and how to grow them for profit.

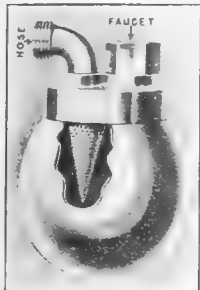
Subscription, \$1.00 per year

Sample Copy Free

THE NUT-GROWER
WAYCROSS, GA.

In writing to Advertisers kindly mention Horticulture

In addition to the territory already infested, the gipsy moth has been found in a number of new townships in Maine, New Hampshire, Vermont, Massachusetts and Connecticut. The Department of Agriculture proposes to quarantine the areas recently found to be infected, and a public hearing on the matter will be held in Washington, at 10 o'clock, on May 6. The territory which it is proposed to include in this extension of the quarantine is as follows: Anson, Dixmont, Orrington, Lamoine, Trenton, in Maine; Haver, Lebanon, Enfield, Grafton, Grant-ham, Plainfield, Cornish, Croyden, Claremont, Unity, Charlestown, Lempster, Acworth, Langdon, Marlow, Alsted, Walpole, Westmoreland, Surrey, Gilsum, Sullivan in New Hampshire; Norwich, Hartford, in Vermont; Leyden, Deerfield, Montague, Wendell, West Brookfield, Brookfield, Warren, Brimfield, Sturbridge, Holland, Wales, Palmer, Monson, in Massachusetts; Eastford, Hampton, Chaplin, Scotland, Canterbury, Mansfield, Plainfield, Sterling, Griswold, Lisbon, Sprague, in Connecticut.



BARRIE SOAP SPRAYER

The Indestructible Sprayer with NO MOVING PARTS

It will apply any soap base insecticide, and will reduce the labor and cost of spraying in any greenhouse or garden **FULLY SIXTY PER CENT.** It offers absolute control of aphids, beetle, spider and plantlice of all kinds, and is of great benefit with thrips and scale.

Made of Brass, Nickel-Plated, Lasts Forever

PRICE THREE DOLLARS—Send for Circular

(Seed Houses should Write for Discount.)

GEORGE N. BARRIE, Brookline, Mass.



THE VERY NEWEST AND QUICKEST METHOD OF DESTROYING WEEDS, GRASS AND OTHER GROWTH IN GARDEN WALKS, GUTTERS, TENNIS COURTS, DRIVEWAYS, ETC.

This fluid absolutely destroys all weeds and other growth wherever applied, and its effect on the ground prevents the growth of fresh ones for a year and thus saves a great deal of time and labor, as no cutting, hoeing or hauling away of the weeds is required.

We manufacture the strongest line of DISINFECTANTS on the market.

PINO-LYPTOL CHEMICAL CO.

455-457 West 26th Street, NEW YORK CITY

CORRESPONDENCE SOLICITED



NIKOTEEN For Spraying
APHIS PUNK For Fumigating

ASK YOUR DEALER FOR IT.

NICOTINE MFG. CO. ST. LOUIS, MO.



Unequalled for Greenhouse and Landscape Fertilizing

THE PULVERIZED MANURE CO.

31 Union Stock Yards, Chicago

NEWS NOTES.

Pittsburgh, Pa.—The Blind Floral Company has just received a fine consignment of boxwood from Holland.

Berthold Frosch, formerly the city landscape architect and engineer, has completed plans for a fine range of greenhouses to be erected on the estate of Andrew W. Mellon on Squirrel Hill. He has also improved the Mellon estate by plantings of Austrian pines, Norway maples, lindens, sycamores, rhododendrons, rambler roses, etc.

BUSINESS TROUBLES.

The Metropolitan Floral Co., of St. Louis, Mo., of which Alex Geranios was proprietor, has closed its doors



Guaranteed under the Insecticide Act, 1910. Series No. 321

Save your plants and trees. Just the thing for Greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrip, Red Spider, Black and Green Fly, Mites, Ants, Insects on Rose-bushes, Carnations, etc., without injury to plants and without odor. Used according to directions our standard Insecticide will prevent ravages on your crops by insects.

Non-poisonous and harmless to user and plants. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pests. Excellent as a wash for dogs and other animals. Relieves mange.

Effective where others fail.

½ Pint...25c; Pint...40c; Quart...75c
½ Gal., \$1.25; Gal., \$2.00; 5 Gal. Can., \$9
10 Gal. Can. ...\$17.50

Dilute with water 30 to 50 parts.

For Sale by Seedsmen and Florists' Supply Houses

If you cannot obtain this from your supply house write us direct.

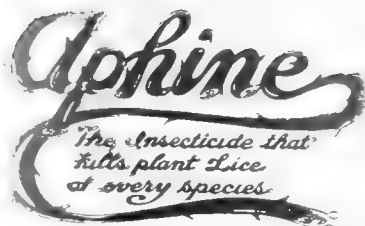
LEMON OIL COMPANY, Dept. K

420 W. Lexington St., Baltimore, Md.

Directions on every package

and the head of the company has departed leaving quite a few debts behind.

Saratoga Springs—T. J. Totten, Inc., florists of this village, have filed a petition in bankruptcy and Edward F. Trim has been named receiver to carry on the business. The liabilities are \$11,152.50 and assets \$9,814.38.



The Recognized Standard Insecticide.

A spray remedy for green, black, white fly, red spider, thrips, mealy bug and soft scale. Quart, \$1.00; Gallon, \$2.50.

FUNCINE

An infallible spray remedy for rose mildew, carnation and chrysanthemum rust. Quart, 75c; Gallon, \$2.00.

VERMINE

A soil sterilizer for cut, eel, wire and angle worms.

Quart, \$1.00; Gallon, \$3.00.

SCALINE

A scallicide and fungicide combined for San Jose and various scale on trees and hardy stock, and various blights which affect them.

Quart, 75c; Gallon, \$1.50.

NIKOTIANA

A 12% nicotine solution properly diluted for fumigating or vaporizing.

Quart, \$1.50; Gallon, \$4.50.

If you cannot obtain our products from your local dealer, send us your order and we will ship immediately through our nearest agent.

Aphine Manufacturing Co.

MADISON, N. J.

GEO. A. BURNISTON
President

M. C. EBEL
Treasurer

SCOTCH SOOT

Where there is a house that is just full of buds almost ready to show color, nothing will turn better color into the flowers than a little soot, that can be scattered over the benches before watering. The amount applied should not be excessive, as the soot is very strong and may damage some of the foliage somewhat. Apply just enough to blacken the surface of the soil in the benches, and let it go at that. Better a little oftener than too much all at once.

We offer the genuine in original cwt.

Sacks, at:

\$4.00 per 112 lbs.; \$17.50 per 560 lbs.

Stumpp & Walter Co.

30-32 Barclay Street, NEW YORK

Cocoanut Fibre Soil WAR

Does not stop the use of Humus.

All seedsmen keep it in stock. It is the last word in Fertilizing Humus.

Send for Prices.

20th CENTURY PLANT FOOD CO.

27 & 29 OCEAN ST.,

BEVERLY, MASS.

Aetna Brand Tankage Fertilizer

Is the best balanced Fertilizer on the market, and is giving satisfactory results wherever used.

Farmers and Florists Fertilizer Company

809 Exchange Ave., Room 5, U. S. Yards,
CHICAGO, ILL.
Telephone—Drover 1932.

When writing to advertisers kindly mention **HORTICULTURE**.

NOW SEND US THAT INQUIRY ON

Greenhouse Construction and Heating Material

Hot Bed Sash Pecky Cypress Celery Boards
Knock Down Plant Boxes

PROMPT SHIPMENTS

THE FOLEY GREENHOUSE MFG. CO.

3275 West 31st Street, - - - - - CHICAGO, ILL.

BUILD NOW and get ready for the Spring rush

IT IS COMING

Greenhouse Stock — Bench Lumber — Hot Bed Sash

THE A. T. STEARNS LUMBER COMPANY

NEPONSET, BOSTON, MASS.

ASK FOR CIRCULAR D

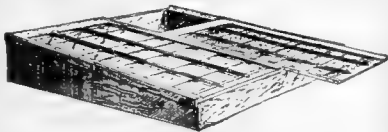
SHARP, PARTRIDGE & CO.

Are Leaders in

GREENHOUSE GLASS

OUR PRICES WILL PROVE THIS.

CHICAGO, ILL.



Hotbed Sash at 75c each

Made of best grade Gulf cypress.

Glazed Hotbed Sash from \$1.65 up.

Double Light Sash up to \$4.00.

We carry a large stock of all sizes.
Write us for estimate.

S. JACOBS & SONS

1359-1385 Flushing Avenue BROOKLYN, N. Y.

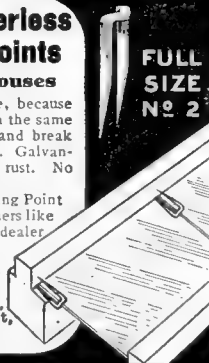
Dreer's Peerless Glazing Points For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts. The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid. Samples free.

HENRY A. DREER,
714 Chestnut Street,
Philadelphia.

FULL
SIZE
No 2



MASTICA



Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

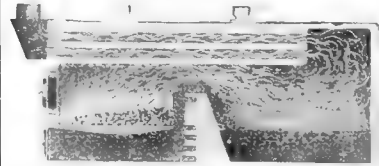
GET OUR CATALOGUE

On Ventilating Apparatus and Greenhouse Fittings.

ADVANCE CO., RICHMOND, IND.

KROESCHELL BOILER

SEND FOR CATALOGUE



KROESCHELL BROS. CO.

466 W. Erie St., Chicago, Ill.

GLASS

Greenhouse Material
Hot Bed Sashes

Our prices can be had by mail, and it will pay you to get them. We carry the largest stock of Specially Selected Glass in Greater New York and can supply any quantity from a box to a car load on a one day notice, and at Rock Bottom Prices.

PARSHELSKY BROS. Inc.
215-217 Havemeyer St., Brooklyn, N. Y.

SECOND HAND PIPE

Guaranteed capable of pressures necessary for irrigation. Newly threaded and coupled.

Largest dealers in all sizes of Second Hand Storage and Pressure Tanks, Boilers, etc.

WE ARE AGENTS FOR

THE SKINNER SYSTEM

THE PERRY, BUXTON, DOANE CO.

200 West First St., So. Boston, Mass

SKINNER SYSTEM OF IRRIGATION.

MARK.

for Farm, Garden,
Lawn and Greenhouse

Ask for Information

GEO. N. BARRIE

BROOKLINE, - - MASS.

CAMPBELL IRRIGATION

We lead the world in overhead irrigation of all kinds. Send for revised edition of our booklet "Modern Irrigation," and literature describing our circular irrigation sprinklers, the Campbell Automatic and Campbell Turbo-Irrigator, and the new Automatic Oscillator for overhead pipes.

J. P. Campbell

240 Union Terminal Building, Jacksonville, Fla.

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Send your business direct to Washington. Saves time and insures better service. Personal attention guaranteed. Thirty years active service.

SIGGERS & SIGGERS

PATENT LAWYERS

Box 9, National Union Building

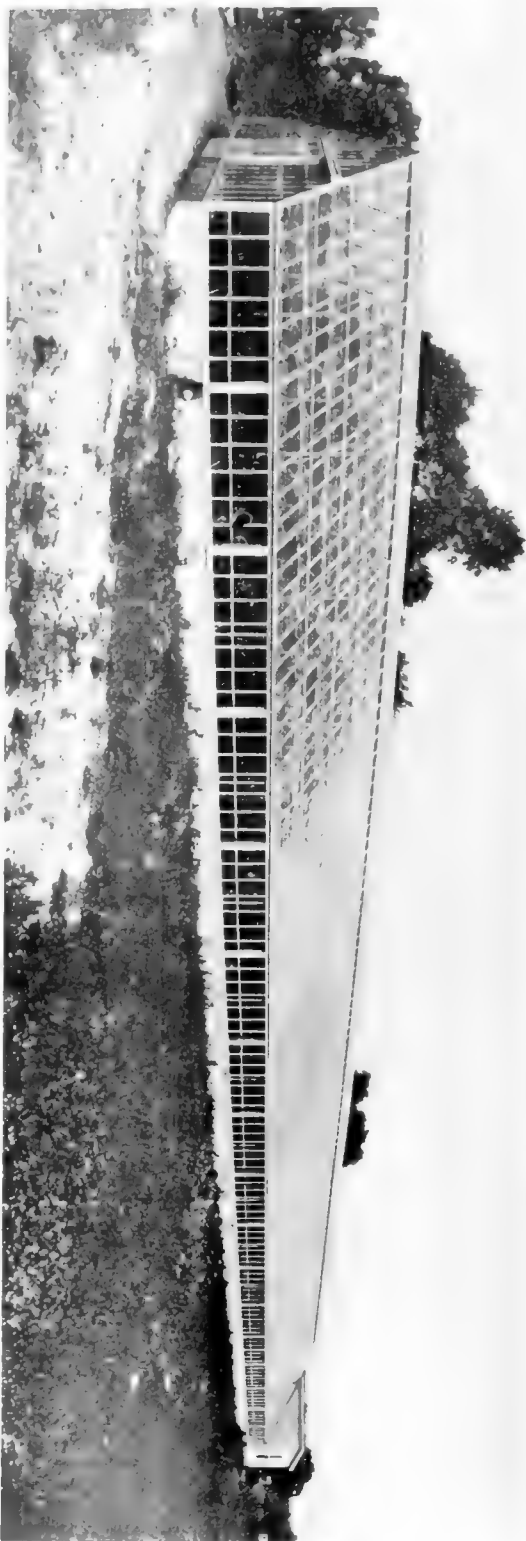
Washington, D. C.



Evans 20th Century Arm

Most up-to-date arm on the market. Proof that it is better than any other is that others tried to imitate it. Write for our 1915 catalog just out.

JOHN A. EVANS CO.
Richmond, Ind.



The reconstructed construction house erected for Wm. Ashe & Son at South Vineland, N. J. The glass is 30 inches wide, spacing between columns is 12 feet 1 1/2 inches. It has a third less columns and posts than the old 8 feet 4 inch spacing.

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Vol. XXI

No. 19

MAY 8

1915

HORTICULTURE



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WINTER DAMAGE TO EVERGREENS

An Eccentric Season

Editor HORTICULTURE:

Your editorial and Mr. E. H. Wilson's letter in your issue for May 1st interested me very much. It is an undoubted fact that in-so-far as deciduous plants are concerned, the late winter was, as you stated, a very considerate one. However, even amongst these there are one or two exceptions, but when it comes to evergreens we find the tidings of woe quite general. Having had opportunity to visit the Arnold Arboretum and one or two nurseries and some private estates, I must confess that the losses are heavier than during any of the previous twenty-five years I have been in America.

The rhododendrons in the Arnold Arboretum are planted in what would seem to be an ideal location, yet dozens of plants, some of large size and planted twenty-four years are dead or nearly so. Amongst varieties which have succumbed or are badly killed are: Catawbiense, Catawbiense album, C. S. Sargent, Henrietta Sargent, Attila, Hannah Felix, several forms of Caucasicum, Lady Hillingdon, Princess Mary of Cambridge, Atrorubrum, Gomer Waterer, Marquis of Waterford, Salmon roseum, Prometheus, Butlerianum, Jay Gould, Norma, Mme. Carvalho, Matternichii, F. L. Ames, Mrs. Henry Ingersoll, Bluebell, ponticum, Melton, atrosanguineum, R. I. Field, roseum elegans, delicatissima and quite a number of varieties from Seidel in Germany.

In the foregoing list, which probably is not a complete one, are a good number of sorts not looked upon as "iron-clad," or even hardy, but which have grown and wintered well in their ideal location, in some cases for nearly a quarter of a century. The list includes, however, some reliable sorts, as roseum elegans, delicatissima and C. S. Sargent, which is somewhat discouraging. Many incongruities are noted. F. L. Ames, not a very hardy sort, was half killed, while a few feet away a beautiful specimen of delicatissima was entirely dead. Then again side by side with dead plants could be noted others of the same variety very little damaged!

The summer and fall of 1914 were abnormally dry. The roots of all plants, unless they had been watered or mulched, were dry when the ground froze up. We got copious rains in February, but this did not reach the roots of plants which were not well mulched. The bright and arid conditions in March and a large part of April would not have been so serious had the roots of evergreens been moist.

While it will probably be admitted that the foregoing reasons will account for the heavy losses, why is it that some half-hardy sorts are not harmed at all, and that while plants of one particular sort are dead, others side by side under precisely similar conditions are harmed little if at all? No doubt we must look back further than 1914 for "the beginning of the end."

I have in mind at this moment a collection of splendid rhododendrons, some fifteen feet high, located at Pawtucket, R. I., which came through the winter in perfect

condition; also beds of these noble specimens at Waltham, Mass., which never looked better. At Faulkner Farm, amongst some hundreds of rhododendrons we had not a single death, and merely occasional small branches killed. On all these estates the plants were kept well mulched and were well soaked last fall. These Mr. Editor, can be added to the other collection you name, and none were planted in so sheltered and ideal a spot as those at the base of Hemlock Hill, *nor did they receive any protection.*

I am not at all pessimistic about the future of rhododendrons in New England. We have a number of dependable varieties, and I hope the new Chinese varieties will later swell the list. I believe there is less in the location than in providing these broad-leaved evergreens plenty of mulch and moisture. Windbreaks for these and the newly planted evergreens are also I believe more necessary and important than overhead covering. The latter is more harmful than helpful.

At the Arnold Arboretum I noted that the genus Erica had suffered terribly. Such Taxus as cuspidata, canadensis and baccata were in many cases badly scorched, as were leucothoes, andromedas and many of the junipers. Kalmias, except the variety myrtifolium looked well, but here as elsewhere a close inspection of some of our native subjects like Pinus strobus, Thuya canadensis and Thuya occidentalis showed how many of them had suffered. Let anyone look at the white pines just outside of the Forest Hills gate and the damage done will be found very noticeable.

The why and wherefore of the dying of broad-leaved and other evergreens is a most important one, worthy the attention of so eminent a body as the Arboretum authorities, and vastly more important to a host of plant lovers than the creation of new genera and species.



Faulkner Farm, Brookline, Mass., May 3, 1915.

Rhododendrons at Wellesley, Mass.

Editor HORTICULTURE:

The past winter has not been severe as regards cold. We have had winters with much lower temperature, with less damage to report. I have no doubt, as Mr. G. H. Wilson says, that "winter damage to rhododendrons" is due to excessive sunlight during the late winter months. It was not until late March and April that "winter damage" began to show. Everything up to the first of March was as usual, or better. Plants in the full sun suffered most and the damage was greatest in front of windbreaks and least where the wind had full sweep,—as if the wind had tempered the sun's rays.

We do not like to say we neglect any of our rhododendrons in the matter of water in summer and covering

I write to you to admit that our neglected beds suffered. One was "tough and dry," on a bank, with little water and hardly any leaf covering, came to nothing, and it has always.

Some of my acquaintances declare that winter covering is a "delusion and a snare." In fact, I have seen one during this late winter, seems to support this contention. Certain it is that our Japanese and kalmias in the vegetable garden were badly hurt. I can't believe they could have suffered so much attention at all had been given. About fifty per cent. are dead or badly injured, but a few are still left. Half a dozen plants together as bright as if there had been no winter at all and all around them plants dead, one is hard put to for an explanation, or even a theory. This sort of thing we find throughout all our beds—plants standing, so to speak, in the snow. All these plants were well watered right up to the time they were covered for the winter, so as to make sure they did not go into the winter dry.

Tsuga canadensis and *T. canadensis* badly scorched under protection in the vegetable garden, are hardly touched in the open with the full sweep of the westerly wind.

I am convinced, however, that evergreens which go into the winter dry do suffer in just such weather as we had this past March. It is almost an axiom that evergreens must be root active in winter. Whether protection is a fake or not we shall continue to protect our evergreens as usual.

J. D. Hatfield

Weeds, Mass., May 2, 1915.

What *Rhododendron maximum* Needs

Editor HORTICULTURE:

I have read with much interest in your issue of April 21, your article on rhododendrons, telling how they have come through the winter in first class condition. I have also read in last week's issue Mr. Wilson's letter and your editorial on rhododendrons. Of course, as I understand it, you are both referring to hybrid rhododendrons but *Rhododendron maximum* are somewhat the same as far as those conditions go.

I have been studying for several years the natural conditions of *Rhododendron maximum* in their native home and find many interesting points about them. Nature provides certain places for all trees and shrubs. The seeds are carried by birds to different places, but unless the soil is right, the seed of the tree or shrub may sprout and grow but never mature to the size it would attain in its natural location. Soil conditions are taken in consideration to some extent. Some trees and plants are in their natural place on the level land,

others on a hill, and one must have a southern exposure and a good protection, and this is my point—a rhododendron's natural home is in a northern exposure.

The point that Mr. Wilson made about the sun during the month of March turning the leaves brown as they had been scorched, is certainly correct. It is the March sun that causes the destruction, but had these rhododendrons been planted on a side-hill with a northern exposure, or elsewhere and protected by tall hemlocks or other evergreen trees, the March sun would not affect them, for the destruction is done when the frost is in the leaf and by the time the sun is high enough to reach them in their protected places it is in the warmer part of the day when the frost is out.

A rhododendron as it grows in its natural home is never scorched by the March sun except where it has grown under the protection of some large evergreen tree which has been removed by the woodman's axe. The point of planting rhododendrons is to follow the rules of nature, for in their natural home they are not affected by cold or water or the heat of summer.

Chas. G. Curtis

Chas. G. Curtis

Lilium myriophyllum (regale)

Some two or three years ago, when this lovely lily was first brought to our attention, we published two or three illustrations of it as seen growing at the Farquhar nurseries and as a cut flower. So well has this novelty justified the prominence given it at that time that we feel it to be worthy of still another presentation as a cover illustration for this issue for the inspection of those of our readers who have not seen it before. *Lilium myriophyllum*, or "regale," as it has now been designated by E. H. Wilson, who first discovered it and collected it in China twelve years ago, is in our opinion the finest tubular-flowered lily in existence. The golden glow in the heart of the flower, the flush of pink on the outside of the petals, the bright orange anthers from which the pollen does not shed, and its refreshing spicy perfume make it more than a rival for the universally used longiflorum type of Easter lily. Add to these good points the fact that the new comer is perfectly hardy in the latitude of Massachusetts, is of the easiest culture and may be grown from scales to flowering sized bulbs in an incredibly short time, and the place which this lily is destined to fill in the commercial floriculture of the near future may be imagined. When the stock has been increased so that it can be sold at a popular price it can hardly fail to take its place among the leaders in florists' flowers. The plants appearing in the picture are from young bulbs.

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CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil."—*Proverb*.

Chrysanthemums

It will be necessary to keep the cuttings well soaked for the first two weeks. In bright weather several dampings overhead will be required to keep them plump and no good grower ever wants to see stock in the cutting bench with a flaggy look. A temperature of 50 degrees is high enough for the cuttings to root in. They should not remain too long in the sand but be potted up as soon as rooted. A turfy loam thoroughly mixed with one-third well-rotted cow manure and a sprinkling of bone is a good compost to use. Be careful after potting not to overwater and as they get well rooted never allow them to lack water. For the growing of exhibition blooms the plants should never be allowed to get pot-bound. As soon as the pots are well filled with roots repot into 3-inch and on up into 8 or 9-inch pots. Plants intended for exhibition should now be growing rapidly and must have every attention in the way of watering, ventilation, pinching and tying up. Look out carefully for aphids and fumigate regularly.

Planting Gladioli

A succession of plantings can be made from now on until the end of June. Plant them in rows from 2 to 3 feet apart leaving about 3 to 4 inches between the bulbs in the rows. They should be set at least four inches deep. By planting the bulbs at intervals of about two weeks we secure a long season. See that the soil is worked deep and that there is plenty of well decayed manure mixed into it. When they show above the ground keep the cultivator going every week until they have reached a height of about 8 inches. During limited rainfall they should be watered at intervals quite profusely. It would be well to sort the corns over and plant all the small ones at first planting leaving the largest for the last. Just before the last cultivation give some quick acting fertilizer between the rows. It can be put on at the rate of three or four hundred pounds per acre.

Planting Out Carnations

The weather and the nature of the soil should be the guide in the different sections of the country for the right time for planting. Set them anywhere from 15 inches up to 2 feet apart. Where the grower has only a few thousand the former distance will do as he can use the hand cultivator both ways, but where there is larger number $2\frac{1}{2}$ feet apart each way will allow the horse cultivator exclusively, which will save three-fourths of the time in taking care of them. Each grower will have to judge for himself which is best. A dark or cloudy day is the best, but where there are many thousand to plant any day must do. See that the plants are thoroughly soaked through beforehand. Don't forget the oft-repeated warning to have every plant prop-

erly firmed for this is an absolute necessity. Do not plant either too deep or too shallow, but at the same depth that they stood in the pots or flats. For this locality from now up to the 20th of May is a good time to plant.

Peonies

To have peonies that will produce flowers of good size and color the soil should be trenched to the depth of 18 to 24 inches and plenty of cow manure incorporated through it. They require a soil that has been enriched with plenty of rotted manure, bone dust and wood ashes. Select an open and sunny situation, far away from the food robbing roots of trees or large shrubs. See that each plant has enough room when they are full grown. When planting in the field with the intention of digging up the clumps and dividing for sale they should be planted $2\frac{1}{2}$ or 3 feet apart both ways, but when planting for cut flowers leave them at least 4 feet apart each way, covering the crowns with 3 or 4 inches of soil. Old plantations yielding good crops of flowers annually should have a top-dressing of manure forked into the soil. If the weather becomes dry while the buds are forming and the flowers coloring they should have a liberal supply of water. Herbaceous peonies have so greatly improved of late years that now they are indispensable for spring and summer flowering.

Stocks for Winter Flowering

If sown now they will come in early and with another sowing in about four weeks you will have flowers all winter. They should be sown now in pans or shallow flats of light soil. Use plenty of sand in it as there is then less liability of the seedlings damping off. For the first couple of inches of soil it is well to make a light mixture, say leaf mold and soil in equal parts with a little sand. Do not sow too thickly. Keep shaded and moist until they begin to germinate when they should have full light and sun. When they are large enough to handle they can be potted off into small pots and placed in frames under elevated sashes to afford a free circulation of air. Give these plants a situation with sufficient space to enable the air and light to reach all the foliage. Water can be more freely applied from this time on. Fumigate often so as to keep green fly in check. When the plants have filled these pots with roots they should be shifted into 4 or 5-inch pots and kept in frames until late fall.

Starting Cultivating

As the different plants are set out start with the cultivator using it at least once a week. It will help to keep down weeds and leave the ground in a nice open condition. Stirring the ground in dry weather or after rains is peculiarly beneficial to all crops.

Next Week:—Asters; Care of Young Primulas; Hardy Stock for Late Spring Sales; Orchids; Ramblers for Memorial Day; Watering Stock.

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A courteous act
The Exhibition Committee of the Massachusetts Horticultural Society has acted with wise liberality in the arrangement of the dates for the important exhibitions of that society for the year 1916. Wishing to see the National Flower Show in Philadelphia next March a pronounced success and desiring to avoid doing

and a great deal of money diverted in the least from such success. The May 1st Spring Exhibition will be made a matter of course that year and a big show will be held in Philadelphia instead. This thoughtful courtesy on the part of the leading horticultural society of this country will be deeply appreciated by the National Flower Show Committee and their co-workers in Philadelphia.

We are rather in sympathy with the To save the mountain laurel expressed in the Boston Herald concerning the proposition to protect the mountain laurels, trailing arbutus and other coveted wild flowers by declaring a "closed flowering season." But as to the mountain laurel a closed season for the flowering period only would be but a trifling protection for that plant and utterly insufficient if its practical extermination is to be prevented. By far the larger part of the laurel devastation is not done for the sake of its bloom but for green wreaths and "roping," so-called. The amount of the destruction of this shrub for the festooning of stores and buildings generally for the holidays and other occasions throughout the winter is something beyond belief and yet, after all, no purpose of taste or beauty has been served. If real protection is to be given the mountain laurel it must needs cover 365 days of each year. With the vast and varied amount of greenery which the florists and nurserymen are prepared to supply nowadays it will be no hardship for the people if this wholesale despoiling of our finest native shrub should be legally stopped.

Requirements of the rhododendron
The several communications from gentlemen of large practical experience in rhododendron culture, which appear on the following pages, as well as the many comments which have come to us verbally, indicate the widespread interest awakened by the notes in our previous issues on the last season's effect upon the evergreen rhododendrons. Since writing our editorial notes last week we have seen the rhododendron plantations at the Arnold Arboretum and the havoc there wrought is truly pitiable. These rhododendrons are not new and untried varieties, but old established plants of which many have been growing and thriving for nearly a quarter century and in all respects their location, soil, exposure and care have been ideal according to all accepted axioms as to a rhododendron's requirements. Not all are dead or even blemished and alongside of the worst sufferers may be seen specimens that have come through without a flaw. Again, one half of a plant may be totally gone while the other half is unscathed. At certain other places in this vicinity where the rhododendrons lack the seeming advantages enjoyed by those in the Arnold Arboretum and in the gardens of Professor Sargent, Walter Hunnewell and Bayard Thayer all of which have suffered severely—the plants have all come through in excellent condition, and one is forced to agree with Mr. Hatfield's frank acknowledgment that there may be something in the contention that our established notions as to what is essential to the rhododendron's welfare are "a delusion and a snare." We know that the readers of HORTICULTURE would be glad to learn more on this perplexing subject which so vitally concerns every admirer of the broad-leaved evergreens. We should like to hear from others whose experiences and observations may tend to throw some further light on the causes underlying the phenomena of this abnormal season.

BRITISH HORTICULTURE.

The Highbury Orchids.

As foreshadowed in a previous letter the dispersal of the unique collection of orchids, got together as the result of many years' continuous efforts by the late Joseph Chamberlain, one of Britain's famous statesmen, aroused wide-spread interest in the horticultural world. The sale took place in the London auction rooms of Messrs. Protheroe & Morris, where in former years notable collections of orchids have come up for competition amongst eager buyers. Undoubtedly the time selected for the sale when everyone is economizing owing to war conditions, was not altogether favorable. Even the prospect of obtaining a souvenir of one of the most noted orchid collections in the country, and of the former personal possessions of a man whose name had loomed largely in modern history was not sufficient to cause an inflation of prices. Shillings were more numerous than pounds in the bidding. The first substantial price was paid for *Schroderae Highburyensis*, a hybrid raised in the late Mr. Chamberlain's conservatories, this realizing four guineas. The top price was paid by a Birmingham resident—this being the district with which Mr. Chamberlain was honorably associated for many years—the sum of twelve guineas being paid for *Odontoglossum Inseleyi* splendens. The second day's sale also aroused considerable interest, but there were no sensational prices to record.

The Carnation Year Book.

A glance through the edition of this work for 1915 indicates that the cult of the carnation in Britain is increasing in popularity. A point which is emphasised is the hardness of the English raised varieties of the American type. C. H. Taudein, who has a nursery near Chester specially devoted to out-door carnation culture contributes his experiences. Active arrangements are now in progress for the Perpetual Flowering Carnation Spring Show which is to be held at Leed's in Yorkshire which will have the effect of creating an interest in the flower amongst provincial growers. Details as to the Society's work are obtainable from T. A. Weston, the Secretary, whose address is at Flordale, Orpington, Kent.

W. H. ADSETT.

A TULIP GARDEN.

Guarded within the old red wall's embrace,
 Marshall'd like soldiers in gay company,
 The tulips stand array'd. Here infantry
 Wheels out into the sunlight. What bold
 grace
 Sets off their tunics, white with crimson
 lace!
 Here are platoons of gold-frocked cavalry,
 With scarlet sabres tossing in the eye
 Of purple batteries, every gun in place.
 Forward they come, with flaunting colors
 spread,
 With torches burning, stepping out in time
 To some quick, unheard march. Our ears
 are dead;
 We cannot catch the tune. In pantomime
 Parades that army. With our utmost
 powers
 We hear the wind stream through a bed
 of flowers.

—Boston Transcript.

FRIENDS OF THE TRADE.

FRUITS AND FLOWERS FESTIVAL PLANNED.

Glendale, Cal.—A festival of fruits and flowers, centering about the high school buildings and extending for a block, will be held here May 27, 28 and 29 under the auspices of the Tuesday Afternoon Club.

All fraternal organizations, schools, the Parent-Teacher Federation, Chamber of Commerce, city trustees and other bodies will assist in making the festival a success.

Mrs. M. B. Jones is chairman in charge of the festival, Mrs. Warren Roberts, secretary-treasurer, and Mrs. Charles H. Toll is in charge of the reception committee.

—Los Angeles Express.

MILLBROOK FLOWER SHOW.

A list of classes of the Second Flower Show of the Millbrook Garden Club to be held at the Thorne Memorial Hall on Saturday, June 19, from 3 until 7 o'clock, include the following: Two for Peonies, three for Roses, Annuals, Perennials, Pansies; two for Delphiniums, Foxgloves, Canterbury Bells, Lilies; two for Irises, Flowering Shrubs, Ferns and Wild Flowers, Vase or Basket of Flowers, Table Decoration.

The Executive Board invites any owner of a garden to exhibit.

—Millbrook, N. Y. Mirror.

SPRINGFIELD (N. Y.) FLOWER SHOW.

The flower show does not come until August, but this is the time to prepare for exhibits. This year the show will be under the auspices of the committee appointed by the Improvement Association, and it is expected that it will surpass all previous ones.

Spring Lake, (N. J.) Gazette.

GARDEN CLUB BUSY.

Princeton, N. J., April 27.—A flower market is to be held in Princeton on May 20, under the auspices of the Princeton Garden Club. The plan to hold a flower market was considered and arranged by the Village Improvement Society several years ago, but was deferred in order to give way to more pressing matters. It is particularly fitting that the project for the market, to be given this year, should have been made by the first Garden Club of Princeton. The president of the club is Mrs. A. D. Russell, and its members number twenty-five.

The object of the flower market is to further an interest in gardening and bring together all who are interested in gardens and once a year to give an opportunity of showing some result of the year's work. It is planned to have a sale of cut flowers, potted plants, ferns, vines and vegetables. The proceeds received from the sale of refreshments are to be used to pay the salary of an expert gardener who will come to Princeton and start the school gardens.

—Trenton (N. J.) Times.

THE FUTURE OF THE IRIS.

Of irises there are 170 native sorts, besides hybrids, which swell the number up to 500 or more. We have been engaged in producing new sorts and the results are very encouraging. Our experiments have largely been with dwarf hybrids, I wish you could see some of our new creations. One is a mass of gold. The whole plant completely flooded and overwhelmed with flowers almost entirely hiding the foliage. Such a mass is seldom seen. The next row is royal purple, intense in color and radiant in beauty. How such small plants can produce so much splendor is a marvel. We are now preparing a new edition of the iris manual, to be a companion of the last edition of the peony manual. We have an expert at work on the classification of names, which have been badly muddled.

C. S. HARRISON,

York, Nebr.

HERBACEOUS CALCEOLARIAS.

Seeds of the herbaceous calceolarias may be sown in May, June or July, but plants raised from June sowings generally give the best results. Equal parts of loam and leaf mold, to which has been added a little sand, make a suitable soil, and this should be well watered before planting the seed. These are very small and must be handled carefully. They should be sown thinly in pots, covered very lightly with soil, and, if no cold frame is available, each pot covered with a piece of glass which should be turned over daily to prevent the condensed moisture dropping down on the seed. The glass will keep the soil moist and also hasten germination. It should be removed altogether after the seedlings have broken through the soil. Sometimes it is a good plan to place the pots containing the seed on inverted flower pots standing in saucers of water. This will keep the surroundings moist and likewise prevent certain crawling insects from feeding upon the young seedlings. The plants should be transplanted as soon as they produce a second leaf, for if left too long in the seed pan they fail to make good plants. Soil similar to that in which the seed germinated should be used for the potting, since calceolarias need a rich porous medium in which to develop. Care should be taken to select the weaker as well as the stronger seedlings, for the best colors are often found in the seedlings developed last; it is a general belief among growers that the stronger seedlings produce the greatest percentage of plants with yellow flowers, or flowers in which yellow predominates. The young seedlings should not be exposed to the direct rays of the sun and the roots should not be allowed to become dry.

When the young plants have four or five leaves, they should be repotted and allowed to develop until September, at as low a temperature as possible and under conditions of good ventilation. By this time the calceolaria plants are ready to be transferred to larger pots in which they may remain over winter. High temperatures should be avoided, from 45 to 50°F. being ample. As soon as growth begins in the spring the plants are ready for their final shift into six or eight-inch pots. Pot firmly but do not pack the soil so that it will prevent free ramification of the roots. When the pots are filled with roots, manure water may be added occasionally, but as soon as the flowers appear, clear water only should be given. Herbaceous calceolaria grown in this way and kept in a cool moist atmosphere with an abundance of light and air will produce an abundance of flowers in March or April.—Missouri Botanical Garden Bulletin.

Central Islip, N. Y.—The Conservation Commission has made arrangements to utilize some of the State ground for the cultivation of trees. About 250,000 pine and fir trees will be planted. The sub-nursery nearest Long Island heretofore has been in Westchester County.

The Best Evergreen Ground Cover for Any Position

JUNIPERUS SABINA var. PROCUMBENS

Large well rooted field-grown plants or strong plants from 5-in. pots

MOUNT DESERT NURSERIES

BAR HARBOR,

MAINE

CLUBS AND SOCIETIES

GARDENERS' UNION OF LEWISTON AND AUBURN, ME.

The Gardeners' Union of Lewiston and Auburn, Me., will hold a Fall Exhibition August 26 and 27, 1915 at Lewiston City Hall.

The premium list is a liberal one, covering 119 regular classes. First, second and third prize ribbons will be awarded for the best displays in the several classes to members of the Union only, but any person may compete by joining the Union. Honorable mention cards will be awarded to such exhibits as the judges shall deem worthy where no other way of recognition is provided.

In addition to the regular prizes specials have been offered by the following trade houses: W. Atlee Burpee & Co., for sweet peas; Geo. A. Whitney Co., for dahlias; Haskell Implement & Seed Co., for market garden display; Horne & Noyes for gladioli; John Lewis Childs for gladioli; C. S. Allen for display of annuals; T. J. Grey & Co., for gladioli and for vegetables.

The Gardeners' Union offers: (A.) To member taking most first prizes in all classes, a silver cup, same to be competed for each year and to be held finally by member winning it three times; (B.) Best display from Professional Market Garden, \$5 in cash; (C.) Best display by Professional Florist, \$5 in cash.

The officers of the Gardeners' Union are: President, Charles S. Allen, Elm House, Auburn; Vice-President, Dr. L. Raoul Lafond, 224 Pine St., Lewiston; Secretary, Mrs. George A. Whitney, 151 Winter St., Auburn; Treasurer, M. H. C. Stone, 650 Main St., Lewiston.

HORTICULTURAL SOCIETY OF NEW YORK.

A Spring Flower Show will be held in the Museum Building, New York Botanical Garden, Bronx Park, New York City, in co-operation with the Garden, May 8 and 9, 1915. The exhibition will be open from 2 to 5 on the first day, and from 10 to 5 on the second day. Plants and flowers for exhibition should be sent by express, prepaid, addressed: Horticultural Society, Museum Building, New York Botanical Garden, Bronx Park, New York City.

um Building, New York Botanical Garden, Bronx Park, New York City.

Premiums are offered by the New York Botanical Garden, to be awarded by the Exhibition Committee of the Council of The Horticultural Society of New York. William Becker will have charge of the arrangements on behalf of the New York Botanical Garden.

OYSTER BAY, N. Y., HORTICULTURAL SOCIETY.

The regular monthly meeting of the Oyster Bay Horticultural Society was held on Wednesday evening, April 28th. The exhibition tables were nicely filled, although the weather was rainy and disagreeable. The dates of the 1915 Shows were set as follows: Spring Show, June 11th; Dahlia Show, October 5th and 6th; Chrysanthemum Show, November 2nd. It was decided to have printed leaflets setting forth the best means of destroying Tent Caterpillars and to mail same to all in the vicinity who might be interested. Mr. Floyd Blowers spoke on spraying, the members joining freely in the discussion that followed.

A. B. KENNEDY, Sec'y.

CLUB AND SOCIETY NOTES.

The Cincinnati Florists' Society's regular meeting will be held Monday evening, May 10, at Hotel Gibson.

W. N. Craig of Brookline addressed the Houghton Horticultural Society at Lynn, Mass., last Wednesday evening, his subject being "Home Gardens."

At the next meeting of the Gardeners' and Florists' Club of Boston, Prof. A. H. Nehrling, of the Mass. Agricultural College, will speak on Horticultural Education.

At the next meeting of the Lenox Horticultural Society, to be held on Wednesday, May 12, Edward Jenkins will lecture on Horticulture Miscellany. J. CARMAN, Sec'y., pro tem.

COMING EVENTS.

Shows.

Lewiston, Me., May 28.—Spring Exhibition of Lewiston and Auburn Gardeners' Union.

San Francisco, Cal., June 1. American

Sweet Pea Society's special show in connection with the Exposition.

Newport, R. I., July 8-9.—Annual show and meeting of American Sweet Pea Society, in connection with Newport Garden Assoc. and Newport Hort. Soc.

Lenox, Mass., July 27-28.—Summer exhibition of Lenox Horticultural Society.

Newport, R. I., Aug. 12, 13, 14.—Mid-summer exhibition of Newport Garden Club and Newport Horticultural Society.

Lewiston, Me., Aug. 27-28.—Fall exhibition in Lewiston City Hall of Lewiston and Auburn Gardeners' Union. Chas. S. Allen, President, Auburn, Me.; Mrs. Geo. A. Whitney, Secretary, 151 Winter St., Auburn, Me. Meetings first Friday in each month.

Orange, N. J., Oct. 4.—Tenth Annual Dahlia, Fruit, Gladioli and Vegetable Show of N. J. Floricultural Society. Geo. W. Strange, Sec., 84 Jackson St.

Poughkeepsie, N. Y., Oct. 28-29.—Annual flower show of Dutchess County Horticultural Society. N. Harold Cottam, Sec., Wappingers Falls.

New York, N. Y., Nov. 3, 4, 5.—Annual Chrysanthemum Show of the American Institute, Engineering Societies Building.

New York, N. Y., Nov. 4-7.—Annual Autumn exhibition of Hort. Soc. of New York, Museum of Natural History.

Cleveland, O., Nov. 10-14.—Annual show and meeting of Chrysanthemum Society of America. Chas. W. Johnson, Sec., 2226 Fairfax Ave., Morgan Park, Ill.

Meetings.

Dobbs Ferry, N. Y., May 8.—Dobbs Ferry Horticultural Society, Odd Fellows' Hall. B. Harms, Sec.

New York, N. Y., May 8.—Horticultural Society of New York at American Museum of Natural History. Geo. V. Nash, Sec., N. Y. Botanical Garden, Bronx Park, New York.

Newark, N. J., May 9.—Wein, Obst. A. Gartenbau Verein, 15 Newark St. Peter Caille, Sec., 111 Avon Ave.

New Orleans, La., May 9.—Gardeners' Mutual Protective Association, 114 Exchange Alley. John Parr, Sec., 4539 North Rampart St.

Baltimore, Md., May 10.—Gardeners' and Florists' Club of Baltimore, Florists' Exchange Hall, St. Paul and Franklin Sts. Noah F. Flitton, Sec., Gwynn Falls Park, Sta. F., Baltimore.

Cincinnati, O., May 10.—Cincinnati Florists' Society, Jabez Elliott Flower Market. Alex. Ostendorp, Sec.

Cleveland, O., May 10.—Cleveland Flor-

ists' Club, Hotel Hollenden, Club Room B. Frank Friedley, Sec.

Rochester, N. Y., May 10.—Rochester Florists' Association, 95 Main St., East. H. B. Stringer, Sec., 47 Stone St.

New York, N. Y., May 10.—New York Florists' Club, Grand Opera House Bldg., Eighth Ave. and Twenty-third St. John Young, Sec., 53 W. 28th St., New York.

Holyoke, Mass., May 11.—Holyoke and Northampton Florists' and Gardeners' Club.

Newport, R. I., May 11.—Newport Horticultural Society, Music Hall. Wm. Gray, Sec., Bellevue Ave., Newport.

Chicago, Ill., May 12.—Gardeners' and Florists' Union No. 10615, 232 North Clark St. Louis Heidtman, Sec., 3610 N. Richmond St.

Morristown, N. J., May 12.—Morris County Gardeners' and Florists' Society, Masonic Hall. Ed. Reagan, Sec., 139 Madison Ave.

Davenport, Ia., May 13.—Tri-City Florists' Club. Second Thursday of each month in Rock Island, Moline and Davenport, alternately. Wm. Goos, Sec., Bettendorf, Davenport.

New London, Conn., May 13.—The New London Horticultural Society, 38 Main St. J. M. Humphrey, Sec.

Omaha, Neb., May 13.—Omaha Florists' Club, Court House. Lewis Henderson, Sec., 1519 Farnum St., Omaha.

St. Louis, Mo., May 13.—St. Louis Florists' Club, Odd Fellows' Hall, No. 2. J. J. Beneke, Sec., 1216 Olive St.

Hartford, Conn., May 14.—The Connecticut Horticultural Society, County Bldg. Alfred Dixon, Sec., 25 Wilcox St., Wethersfield, Conn.

Detroit, Mich., May 17.—Detroit Florists' Club, Bomb Floral Hall, 153 Bates St., R. H. Wells, Sec., 827 Canfield Ave.

Montreal, Que., May 17.—Montreal Gardeners' and Florists' Club, Montreal Floral Exchange, 140 Mansfield St. W. H. Horobin, Sec., 283 Marquette St.

Boston, Mass., May 18.—Gardeners' and Florists' Club of Boston, Horticultural Hall. W. N. Craig, Sec., Faulkner Farm, Brookline, Mass.

Lake Geneva, Wis., May 18.—Lake Geneva Gardeners' and Foremen's Association, Horticultural Hall. Wm. H. Griffiths, Sec., Lake Geneva.

Minneapolis, Minn., May 18.—Minnesota State Florists' Association. Gust. Malmquist, Sec., Fair Oaks, Minneapolis, Minn.

Toronto, Ont., May 18.—Gardeners' and Florists' Club of Ontario, St. George's Hall, Elm St. Geo. Douglas, Sec., 189 Merton St., Toronto.

Newark, N. J., May 20.—Essex County Florists' Club. Kreuger Auditorium, 25 Belmont Ave. John Crossley, Sec., 37 Belleville Ave.

New Orleans, La., May 20.—New Orleans Horticultural Society, Association of Commerce Bldg. C. R. Panter, Sec., 2320 Calhoun St., New Orleans.

Tacoma, Wash., May 20.—Tacoma Florists' Association, Maccabee Hall, 11th and C Sts. F. H. Atchison, Sec., South 50th and East F St., Tacoma.

Dobbs Ferry, N. Y., May 22.—Dobbs Ferry Horticultural Society, Odd Fellows' Hall. B. Harms, Sec.

Newark, N. J., May 23.—Wein, Obst & Gartenbau Verein, 15 Newark St. Peter Caille, Sec., 111 Avon Ave., Newark.

Baltimore, Md., May 24.—Gardeners' and Florists' Club of Baltimore, Florists' Exchange Hall, St. Paul and Franklin Sts. Noah F. Plitton, Sec., Gwynn Falls Park, Sta. F., Baltimore.

Norwich, Conn., May 24.—New London County Horticultural Society, Buckingham

HYDRANGEAS

We have a magnificent lot of large plants grown in tubs and half-barrels for
JULY AND AUGUST FLOWERING

We have made a specialty of hydrangeas for years, and our plants have never been finer than they are this year. They are well budded, and will begin to show color the end of June, and will be in perfection during July and August—when they are most in demand.

Hydrangea Otaksa, the standard pink variety, and the new French hydrangeas—Avalanche, Fraicheur, La Lorraine, Mme. Maurice Hamar, Mme. E. Mouillere and Mlle. Renee Gaillard.

Strong plants in tubs, \$2.00 and \$3.00 each—according to size. Otaksa, very large specimens in half-barrels, \$7.50, \$10.00 and \$12.50 each—according to size.

DRACENA INDIVISA.

Large plants for centers of vases, 50c., 75c., \$1.00 and \$1.50 each—according to size.

CROTONS.

Assorted varieties for bedding, in 3½ and 4 inch pots, \$15.00 and \$25.00 per 100.

VINCA MAJOR VARIEGATA.

We have a fine stock of this in strong, heavy plants in 4 inch pots at \$10.00 and \$12.00 per 100—according to size.

ENGLISH IVY.

Strong plants, 4 inch pots, \$10.00 and \$12.00 per 100—according to size.

Nephrolepis Teddy, Jr., 8 inch pots, \$1.00 each; 4 inch, 15c. each; 2½ inch, \$6.00 per 100.

Nephrolepis elegantissima compacta, 3½ inch pots, 25c. each; 2½ inch, \$6.00 per 100. **Nephrolepis elegantissima**, 8 inch pots, \$1.00 each; 2½ inch, \$6.00 per 100.

Nephrolepis muscosa and Smithii, 3½ inch pots, 25c. each; 5 inch, 50c. each.

Nephrolepis Harrisii, 6 inch pots, 50c. each; 12 inch, very large specimens, \$4.00 and \$5.00 each.

Cibotium Schiedeii, large plants, 10 inch pots, \$3.50 each.

Table Ferns, assorted varieties, nice plants, 2½ inch pots, \$4.00 per 100; extra size, 3½ inch pots, \$15.00 per 100.

WINTER-FLOWERING ROSES.

We have a particularly fine stock of **Ophelia**, **Francis Scott Key**, and **Prince E. C. d'Arenberg**—strong plants, own root and grafted; also a fine lot of grafted roses in the standard varieties, like **Killarney Brilliant**, **Mrs. Aaron Ward**, **Sunburst**, **Mrs. Geo. Shawyer**, **Mme. Edmond Rostand**, etc., etc. We will be glad to quote prices on application.

F. R. PIERSON CO., Tarrytown, New York

Memorial, Frank H. Allen, Sec., 321 Main St., Norwich, Conn.

Providence, R. I., May 24.—Florists' and Gardeners' Club of Rhode Island, Swartz Hall, 96 Westminster St. Wm. E. Chapell, Sec., 333 Branch Ave., Providence, R. I.

Newport, R. I., May 25.—Newport Horticultural Society, Music Hall. Wm. Gray, Sec., Bellevue Ave., Newport.

Hartford, Conn., May 28.—The Connecticut Horticultural Society, County Bldg. Alfred Dixon, Sec., 25 Wilcox St., Wethersfield, Conn.

San Francisco, Cal., June 22-24. American Seed Trade Association.

Detroit, Mich., June 23-25.—Annual convention of American Association of Nurserymen.

Fort Worth, Tex., July 6-7. Texas State Florists' meeting.

SOME ARBORETUM FAVORITES.

The cherries and magnolias have been making a wonderful spectacle at the Arnold Arboretum during the past two weeks. They have never bloomed so profusely as this season. The most showy among the large number planted in the Arboretum are *Prunus pendula*, *P. subhirtella* and *P. Sargentii*, all highly esteemed and widely grown in Japan, their native country. The number of Japanese species and varieties of *Prunus* in the spring floral outburst at the Arboretum will be greatly multiplied in a few years when the extensive collections made by E. H. Wilson will have grown to impressive flowering size.

The magnolias like most other deciduous foliaged trees and shrubs look

very happy this spring and have given probably the greatest number of flowers on record. *M. conspicua*, *stellata* and *Soulangiana* have been especially beautiful and the blooms have lasted in good condition for an unusually long period.

NEW CROP FANCY FERNS

\$1.25 per 1000

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EVERGREEN, ALA.

Obituary

Mrs. Maggie Rhedien.

Mrs. Maggie Rhedien died on Tuesday, April 27, at her home in Madison, N. J., after a long illness. She had been a resident of Madison for many years, and her husband, Thomas Rhedien, is well remembered as the owner of several greenhouses a few years ago. Her husband survives her.

Professor Henry S. Van Deman.

Professor Henry S. Van Deman, a noted pomologist, died at his home in Washington, D. C., on April 28. Professor Van Deman organized and was the first head of the Division of Pomology in the Department of Agriculture. He remained in the Government service from 1886 to 1893, when he resigned to enter on horticultural editorial work, and to take charge in an advisory capacity of large fruit and nut plantations in Louisiana, Kansas and Tennessee. He had served as a judge of exhibitions of fruit in practically every state in the Union, and at all the national expositions since 1876. He was an honorary member of fifteen state pomological associations and a life member of the National Pomological Society. Many fruits during the last twenty years have been developed and introduced on his judgment of their value.

Professor Van Deman was a native of Ohio and served through the civil war in the First Ohio Volunteers. He was the first professor of horticulture in the State University of Kansas. He was in demand as an adviser on orcharding in every state, and was probably better known in his profession than any other American in the last quarter century.

John Zech.

Again the Chicago wholesale florist have to part with one of their number. John Zech, just in the prime of life, was still one of the oldest in years of service, and has been connected closely with the development of the wholesale cut flower industry in Chicago from its beginning. He was born in La Porte, Ind., August 20, 1861 and came to Chicago when a young man. He was married to Lena Armbruster in 1883. His early trade was that of a stone cutter, but he was fond of a mercantile life and left his trade to become a salesman. In 1892 he began handling the stock grown by Peter and George Reinberg, in a part of Vaughan's Seed Store, and so successfully did he work out the details of a then almost unknown business, that he laid the foundations of what have now become two of the largest greenhouse establishments in the world. Mr. Zech was later with J. A. Budlong and then with E. C. Amling, going into business with Mathew Mann and forming the firm of Zech & Mann nine years ago and became one of the leading houses on Wabash Ave.

Mr. Zech has had occasional spells of what he considered stomach trouble and during a recent severe attack it was pronounced appendicitis, and an operation took place at Columbus Hospital, April 24, which terminated in his death April 29. He leaves, besides

BUDDLEIA VARIABILIS

(BUTTERFLY BUSH) HARDY

Strong plants from 3-in. pots. Planted now outdoors will bloom from July 15 until hard frost. Worthy of a prominent place in every good garden.

\$2.50 per doz.; \$15.00 per 100

W. R. NICHOLSON, - Framingham, Mass.

his widow, four children. The funeral took place at St. Gregory's church, May 3, and was largely attended by the trade. The floral offerings were unusually numerous and the home at 1835 Summerdale Ave., was almost filled with them. Interment was in St. Boniface Cemetery. The pallbearers were Peter and George Reinberg, Mathew Mann, Chas. Gross, Chas. Wunch and John Helligert.

Prof. J. F. Cowell.

John F. Cowell, director of the South Park Botanical Gardens, Buffalo, for the last twenty years, died suddenly on May 1, at his home, Ridge road.



PROF. J. F. COWELL.

Lackawanna. Dr. Lawrence Smith of East Aurora, who was called by the family when Professor Cowell was stricken, says the cause was heart disease.

Professor Cowell was a botanist of international repute, being an authority on orchids and tropical plants. He got home only two weeks ago from a trip to Cuba and Jamaica, where he went in search of new varieties of plants. On this trip he was accompanied by Dr. Britton, who has charge of the New York botanical gardens.

Professor Cowell was 63 years old. He was born in Boston, Mass. and while yet a young man was engaged in landscape work of considerable magnitude. Before entering the

employ of the Buffalo park department he was principal of one of the public schools. In 1894 he took charge of South Park, Buffalo, which was then a barren tract, and under his devoted care it soon became a beauty spot. He was a member of the Western N. Y. Horticultural Society, Buffalo Florists' Club and Society of American Florists. He was a member of the S. A. F. Executive Committee in 1896-1897, 1899-1901 and was a very regular attendant at the annual conventions.

Personally Prof. Cowell was a favorite among the horticultural people with whom he came in contact. His unassuming manner and congenial traits brought him many friends, who will sincerely mourn his demise. He leaves one daughter, Mrs. Adelaide Moulthrop, and a son, Francis W. Cowell.

CLOSED FLOWER SEASON.

The suggestion comes from Connecticut that an arrangement might well be made for a closed season for flowers as well as for game. Why not? In many sections of New England the trailing arbutus and the mountain laurel must have more adequate protection or they will be in danger of becoming as extinct as the passenger pigeon in bird life. In the Berkshires, the mountain regions of Vermont and New Hampshire there has been an increasing tendency for years for persons to hoard their knowledge of the localities where early spring flowers and vines may be found. In many instances market men strip the hillsides of the beauty which nature has provided and reap a handsome profit out of what to them becomes merely a stock in trade. This year more than heretofore a spirit of protest is making itself heard. One result of the modern emphasis upon nature study is increased appreciation of the beauty and decorative possibilities of various plants which once attracted small attention. That these may be preserved for the benefit of the entire community a penalty might be exacted for the gathering, selling, or possessing certain flowers at certain times. It would at least induce greater care upon the part of the majority, even if it did not absolutely protect the hillsides from their despoilers. It is suggested, too, that the Boy Scouts and the Campfire Girls could help greatly in the protection of these flowers.—*Boston Herald.*

MISSOURI BOTANICAL GARDEN.

The New Formal Garden, with an area of about 35,000 square feet, is located in the court of the new conservatory. It is bounded on three sides—north, south, and east—by sections of the conservatory, and on the west the enclosure has been completed by a pergola. The strictly formal surroundings make a purely architectural design permissible and desirable here. The result is probably the most elaborate and finished garden ever attempted at the Missouri Botanical Garden. The walks are edged with yellow brick, the same shade as the path itself; low hedges border the beds; numerous vases, flower boxes, and garden seats have been used to set off the terminations of the walks; and the statue of Juno, which formerly was such a familiar object in the main garden occupies the center of the garden and forms its most conspicuous feature. Ultimately there will be two small fountains in the central panels while orange trees and pyramidal box-trees will also be used in the decoration. The principal feature during the flowering season will probably be the pattern bedding. It is believed that this form of gardening—usually much abused—is in harmony with the surroundings here.

The main bulb display in spring will be presented in this garden and a succession of bedding and foliage plants will keep these beds a mass of color in summer. A heavy border plantation of hardy shrubs, interspersed with Lombardy poplars surrounds the Garden on the three greenhouse sides, and the pergola at the west will be planted with vines. This pergola will undoubtedly prove a very popular retreat, for from it can be viewed not only the Formal Garden, but also the landscapes which ultimately will be developed to the west.

NEW CROP

Huckleberry Foliage

\$1.75 per Case

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FANCY and DAGGER FERNS
NATURAL and DYED MOSSES

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The above testimonial shows you what can be done with these roots. Also 2-year Asparagus roots, Privet, Strawberry Plants, Giant Rhubarb Roots, Horse Radish Roots, Sea Kale and French Globe Artichokes; Tomato, Cabbage, Pepper, Sweet Potato, Egg Plant, Lettuce, Beet and Cauliflower Plants; Everlasting Strawberry Plants.

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Groff's Hybrids (originator's strain) mixed	2.50	22.50
Lemoine's Hybrids, mixed.....	1.00	9.00
Striped and variegated, mixed.....	1.50	14.00
Orange and Yellow, mixed.....	2.25	21.50
Baron Hulot, best blue.....	3.50	32.00
Independence, rose pink.....	3.50	30.00
I. S. Hendrickson, pink and white.....	1.75	15.00
Kunderdi "Glory," cream, crimson stripe in lower petal.....	.75	4.75
Marie Lemoine, cream flushed salmon...	3.25	30.00
May, white flaked rosy crimson.....	5.00	
Melrose, white flaked pink crimson centre.	2.75	20.00
Mrs. Francis King, light scarlet.....	12.00	
Princess, crimson blotched white.....	1.50	12.00
Pink Augusta, soft pink.....	3.75	35.00
	2.50	20.00

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Chicago, Ill., June 1, to overcome delay in getting orders on the way, the association are not so crowded and have more time to catch up with their mail orders.

Value of horticultural imports into New York for week ending April 24, 1915 is given as follows:

Nitrate of soda, \$400; fertilizers, \$5,460; guano, \$1,700; grass seed, \$1,610; palm seed, \$540.

The joint regulations of the Secretary of the Treasury and of the Secretary of Agriculture, made under the Seed Importation Act, approved Aug. 24, 1912, are being revised with respect to sampling, examination of seeds and delivery in bond, release or recleaning of shipment, the disposition of refuse from recleaning, the prohibition against the mixing of seed found to be in violation of the Seed Importation Act, notice of removal from port of entry and the forwarding of samples of all forage plant seeds. The new regulations will go into effect on May 15.

McHutchison & Co., New York, writes that there is practically no doubt that fall and spring shipments from Holland will be made—and with the same despatch as last season, but they must book all orders "subject to arrival, without engagement, and subject to war conditions," while the war lasts. The war in Europe prevents Holland firms shipping to Germany and Belgium and reduces exports to most of the other countries. One result of this condition is very low prices for next season to American buyers, and gives a fine opportunity to "stock up," as the ocean freight rate from Holland remains the same as in normal seasons—no raise.

PUBLICATIONS RECEIVED.

Bulletin No. 1, Economic Biology, by Edward Howe Forbush, State Ornithologist of Massachusetts, is devoted to "Rats and Rat Riddance." This useful 88-page illustrated pamphlet should have a wide distribution. Copies may be obtained from the secretary of the State Board of Agriculture, Boston. Another valuable publication by the State Board of Agriculture, just received, is "Small Fruits and Berries." 152 pages of information on this important topic. Well illustrated.

During Recess

A Bowling Trophy for the 1915 Convention.

The American Florists' Convention, held at Madison, N. J., after the recess and before the bowling trophy.



A BOWLING TROPHY FOR THE 1915 S. A. F. CONVENTION.

be awarded to the member of the Society of American Florists, National Association of Gardeners or American Association of Park Superintendents making the highest individual score at the contest which will be held under the auspices of the Pacific Coast Horticultural Society, in San Francisco, the third week of August next when the meetings of all of the named organizations will occur in that city.

New York Bowling.

At the closing meeting of the season the following score was rolled by the N. Y. Florists' Bowling Club:

H. C. Riedel	174	178	189
P. Jacobson	146	161	150
J. Miesem	149	163	158
C. W. Sedgwick	152	178	149

MAIL SHIPMENTS TO CANADA REFUSED.

Postmasters have received instructions from Washington to the effect that hereafter no nursery stock, such as shrubs, trees, plants, vines, grafts, scions, cuttings or bedding plants, shall be received for exportation through the mails of Canada.

The order also states that greenhouse grown florists' stock, cut flowers, perennials and other plants can be accepted for export to that country only when accompanied by a detailed statement showing the contents. The Canadian Government has already refused several nursery shipments and a notice to the department has resulted in the new order.

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Chiswick Red. Bright red.	.60	1.00
Duchess. White with zone of rosy carmine, yellow eye.	.60	1.00
Holborn Blue.	.60	1.00
Kermesina Splendens. Crimson.	.60	1.00
Rosy Morn. Pink.	.60	1.00

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A great improvement over the old type, flowers much larger.

	Trade Pkt.
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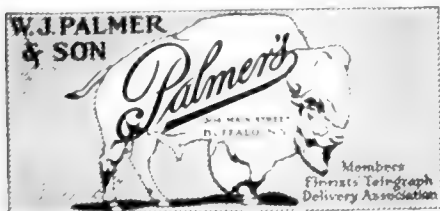
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PITTSBURGH.

Appreciation of the contribution of Mothers Day is interesting to note the diplomatic way in which the various retailers are handling the situation in order to create a popular demand for flowers other than carnations. We hope they will succeed.

The Ludwig Floral Company have the contract to decorate the Soldiers Memorial Hall, when the Independent Order of Odd Fellows of Allegheny County will hold a memorial service for their departed. White lilies and carnations will be the flowers used.

DeForest W. Ludwig, Harry O. Demmler and Edward Demmler, who have been making an extended tour of the Yosemite Valley, Yellowstone National Park and California, are now in Seattle. They are scheduled to return home about June 1, although there is a prospect of the homecoming being postponed a little later.

Undoubtedly the finest mushrooms grown hereabout are those raised by Frank Crook in the James H. Park greenhouse conservatory. Last fall he planted fifty bricks, and since early in November has been averaging a bushel weekly, some of the products measuring six inches across. Prior to coming to this city fourteen years ago Mr. Crook was with Henry A. Dreer in Philadelphia. Orchids are his special passion.

B. F. Clark has recently just completed work on the north end of the St. Paul's Cathedral grounds, which included regrading and planting with new trees and shrubbery. The lawn and plantations which he supervised for the new First Baptist Church, Bellefield, last year, now presents a most attractive setting for the beautiful edifice. In addition to his ecclesiastical work Mr. Clark has the supervision of a number of private grounds, as well as being landscape architect for the Schenley Farms Company.

WASHINGTON.

A postal card received from Henry Pfister, who was formerly engaged in the florist business on Connecticut Avenue, and who is now in Europe, states that he contemplates returning to this country early in June.

Ernest F. Gude, son of William F. Gude, who was recently appointed to a position in the Geological Survey, is now with a field party in the southwestern part of Ohio. He will be away from Washington until November.

A handsome gold medal has been presented to the Brookland Rose Society by the rector of the Catholic University which is to be competed for annually. The fourth show to be given by this organization will be held May 20 and 21.

Congratulations are being extended to Walter E. Hawley, with Gude Bros. Company, upon his joining the ranks of the benedicts. Mr. Hawley, accompanied by Miss Margaret Oliver paid a visit to Baltimore on April 15, where the knot was tied. Nothing was known of the affair until a notice was posted on the time clock announcing the event. Mr. Hawley then admitted taking the step which will prevent his going to motion picture shows without a permit from his better half.

JOHN BREITMEYER'S SONSCor. Broadway and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good sections of Ohio, Indiana and Canada.
Members Florists' Telegraph Delivery Association.

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ALBANY, N. Y.

FLOWER DELIVERIES FOR ALBANY AND VICINITY

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Albany, N. Y.

Not How Cheap
But How Good.

Capital of the Empire State

Member F. T. D. A.

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D. C.**GUDE'S**

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All Orders Given Prompt and Careful Attention

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"THE HOME OF FLOWERS"

The largest cut flower store in America.
Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

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ST. PAUL, MINN.

RANDALL'S FLOWER SHOP

HARRY I. RANDALL, Proprietor.

Phone: Park 94

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CHICAGO Send Your Orders to WILLIAM J. SMYTH

Member Florists' Telegraph
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Michigan Ave. at 31st Street

Prompt Auto Delivery
Service

CHICAGO

And Neighboring Towns

Are Thoroughly Covered by

SCHILLER, THE FLORIST

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Flowergram or Mail Orders from florists
anywhere carefully filled and delivered
under the supervision of

GEORGE ASMUS, Mgr.

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Will take good care of your orders

Members of F. T. D. Association.

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Auto delivery of Designs and Flowers to
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Stock and Work First Class

F. R. PIERSON CO.

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Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
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NOTICE INITIALS. We have one store only

Flowers by Telegraph

Leading Retail Florists Listed by
Towns for Ready Reference. Orders
transferred by telegram or otherwise
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here given will be promptly and properly
filled and delivered.

Albany, N. Y.—Danker.
Albany, N. Y.—H. G. Eyres, 11 N. Pearl
St.

Albany, N. Y.—The Rosery, 23 Steuben
St.

Boston—Thos. F. Galvin, 1 Park St.

Boston—Penn. the Florist, 37-43 Brom-
field St.

Buffalo, N. Y.—S. A. Anderson, 440 Main
St.

Buffalo, N. Y.—Palmer's, 304 Main St.

Chicago, Ill.—Schiller the Florist, George
Asmus, Mgr.

Chicago—William J. Smyth, Michigan
Ave. and 31st St.

Cleveland, O.—J. M. Gasser Co., Euclid
Ave.

Cleveland, Ohio—Adam Graham & Sons,
5523 Euclid Ave.

Denver, Col.—Park Floral Co., 1643
Broadway.

Detroit, Mich.—J. Breitmeyer's Sons,
corner Broadway and Gratiot Ave.

Houston, Tex.—Kerr, The Florist.

Kansas City, Mo.—Samuel Murray, 913
Grand Ave.

New London, Conn.—Reuter's.

New York—David Clarke's Sons, 2139-
2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—Young & Nugent, 42 W. 28th.

New York—Dards, N. E. corner 44th St.
and Madison Ave.

New York—Max Schling, 22 W. 59th St.

New York—G. E. M. Stumpp, 761 Fifth
Ave.

New York—Thos. F. Galvin, Fifth Ave.,
at 46th St.

New York—Myer, 609-611 Madison Ave.

New York—A. T. Bunyard, 413 Madison
Ave.

Norwich, Conn.—Reuter's.

Omaha, Neb.—Hess & Swoboda, 1415
Farnum St.

Rochester, N. Y.—J. B. Keller Sons, 25
Clinton Ave., N.

St. Louis, Mo.—Fred C. Weber, 4326-28
Olive St.

St. Paul, Minn.—Holm & Olson, Inc.

Tarrytown-on-Hudson, N. Y.—F. R. Pier-
son Co.

Toronto, Can.—J. H. Dunlop, 96 Yonge
St.

Washington, D. C.—Gude Bros., 1214 F
St.

Washington, D. C.—F. H. Kramer, 915
F St., N. W.

Westerly, R. I.—Reuter's.

Worcester, Mass.—Randall's Flower Shop,
3 Pleasant St.

NEW FLOWER STORES.

Park City, Utah—A. Silvester.

Claremont, N. H.—Claremont Flower
Shop.

Arlington, Wis.—Ed. Woerner, North
6th street.

Wheeling, W. Va. — G. L. Greiner,
Feinler Bldg.

Plainfield, Ill.—Miss Mary Cropsey,
Bartlett avenue.

Detroit, Mich.—Atlas Floral Co., 7
Campus Martius.

Omaha, Neb.—F. H. Swanson, 532
North 24th street, S.

New York, N. Y.—Chas. F. Dailey,
358 Madison avenue.

Bloomington, Ill.—Sylvester H.
Girmsley, Sweeney Bldg.

Salt Lake City—U. Thomas Hobday,
opposite Newhouse Hotel.



"The Telegraph Florist"

Member of Florists' Telegraph Delivery

37-43 Bromfield St., Boston, Mass.

ORDERS FOR

NEW YORK

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22 West 59th Street, adjoining Plaza Hotel

Best Florists in the States as References

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Delivery.

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STORES IN

New London and Norwich, Conn.
and Westerly, R. I.

We cover the territory between

New Haven and Providence

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FLORISTS

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1415 Farnum St.,

OMAHA, NEB.

THE J. M. GASSER COMPANY,

CLEVELAND

Euclid Avenue

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**ORDERS
FOR
TEXAS**

The Florist **HOUSTON, TEXAS**

Member F. T. D. Association.

The Far-Famed Flowers of

TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP

96 Yonge St., - - TORONTO, ONT.

NEWS ITEMS FROM EVERYWHERE

BOSTON.

Thos. Stock, of Milton, has received the silver trophy which commemorates the Pacific Coast Horticultural Exposition.

Thos. Stock, of Milton, has received the silver trophy which commemorates the Pacific Coast Horticultural Exposition.

The sum of \$5000 is bequeathed to the Massachusetts Horticultural Society by the will of the late Miss Helen Collamore of Boston.

Horticultural Education will be the subject of an address by Prof. A. H. Nehrling at the meeting of the Gardeners' and Florists' Club on Tuesday evening, May 18.

J. W. Simpson of Woburn has had splendid success this winter with his crops of marguerites and carnations. He is setting out his carnations into the field this week.

The seed stores are doing a large business in garden implements just now. Fottler, Fiske, Rawson Co. state that spring business will probably exceed that of last year.

Henry Penn has been elected president of the Bromfield Street Business Men's Association. This is a new organization formed to boom the interests of the 109 business firms located on the thoroughfare.

We are pleased to report that Wm. J. Thurston, the genial manager of the Boston Flower Exchange, has recuperated from the illness which threatened a nervous breakdown. He is now residing in Watertown.

Some specialties noted this week in the markets are pansies from W. E. Turner, of Woburn; yellow marguerites from J. K. Chandler & Sons, of Tewksbury; roses from McAlpine Bros., of Exeter, N. H.; and sweet peas from the Halifax Garden Co.

Patrick Welch opened up his new wholesale flower mart at 262 Devonshire street, on Monday morning, May 3. The venture was a popular success at once especially among the early morning buyers and a big business has been transacted every day since.

C. B. Johnson of Woburn is one of the successful carnation growers of this locality and in his four big houses produces very fine stock. Chas. J. Jager Co., of 15 Custom House St., Boston, has secured his order for Skinner System equipment, which will be installed shortly.

J. W. Cummings of Woburn has filled his houses with a fine growth of cucumber plants. He alternates this crop with single violets in fall and winter. Mr. Cummings expects to install an overhead sprinkling system very soon over his extensive holdings on land in the immediate neighborhood of the greenhouses.

Paul E. Richwagen, of Needham, estimates a loss of \$500 to his young carnation stock from the recent elec-

tical storm. A lot of \$500 was caused by the breaking down of the chimneys and smoking shed. One of the men in the plants shed at the time was crushed by a falling brick.

The local violet growers have turned their attention to the winter season. G. P. Russell and Wm. Sprague of Woburn, who specialize in violets during the winter, are now growing tomato plants. The Wm. Wm. Flower Co., is busy with cucumbers and sweet peas which it produces in large quantity.

Anderson Bros. of Woburn are growing a small quantity of a new variety of aster, shell pink, which they claim will prove to be a revelation. This new aster has been tried out by them and by Gustav Olson of Woburn, who is the originator, for the last two years. They expect to disseminate the seed this season.

Wm. S. Grassie, of Waverley, is still missing from his home. No word has been heard from him since his disappearance three weeks ago. Mr. Grassie was a hard worker and was well liked by the trade. He has had some unfortunate reverses since he began business and the current opinion is that this is the cause of his leaving town.

A promising outlet for surplus stock is being developed lately through the various "Tag Days" held by local charity institutions. Experience has shown that the general public will more quickly respond to a sale of flowers than to direct requests for contributions. Wholesale dealers have been receiving some large orders from charitable institutions for this purpose. "Tag Days" have recently been held in Hyde Park, Everett, Somerville and Salem.

SAN FRANCISCO.

Clara County was awarded the silver trophy commemorating Wild Flower Day, celebrated at the exposition last week.

Wm. Vertriebe, head gardener of the state, has been in Los Angeles at the call of the normal school there, following the recent announcement by State Superintendent of Capital and Grounds Geo. G. Radcliff, that Mr. Vertriebe would be allowed to assist any of the cities or schools in beautification work.

Among the special events which are scheduled to take place in San Francisco this year and are now demanding the attention of the trade is the Chrysanthemum Show, to be held in the fall. This will be arranged under the direction of the Pacific Coast Horticultural Society in conjunction with the Horticultural Department of the Exposition and the National Chrysanthemum Society.

The flowers at the exposition continue to come out in fine shape. The rose garden in the California section of the horticultural gardens is attracting increasing attention, and the German iris is taking the place of the large quantities of tulips, which were in blossom last month. It was estimated that at one time there were no less than 500,000 red and yellow tulips out. The Court of the Universe is a beautiful sight with its 8,000 rhododendron plants blossoming in four massive beds.

There is a tendency among business houses to put on their best appearance this year during the Exposition, and the florist shops are no exception. They are paying particular attention

MEMORIAL DAY LEADERS

The Hawley Glass Cemetery Vase

Flared top, 5 1/2 inches in diameter, 9 inches deep, inside measure with a 3 inch spike. Price \$2.00 a dozen.

Heavy Tin Lawn or Cemetery Vase

No. 1, in both green and white enamel, 6 3/4 inches deep and 4 inches in diameter, with a 4 inch spike. Price \$15.00 per 100.

No. 2 in green and white. These are 6 1/4 inches deep, 3 1/4 inches diameter and a 4 inch spike. Price \$12.00 per 100. Made with heavy sheet tin.

Stone Cemetery Vases

In blue only. These are 6 1/4 inches deep, 4 1/2 inches in diameter, with a 4 inch spike. Price \$1.50 per dozen.

N. F. MCCARTHY & CO.

112 Arch St. 31 Otis St.
BOSTON, MASS.



Memorial Day Profits

May be very much increased by good judgment in the selection of supplies of appropriate material. The goods we offer to the trade this year are of exceptional quality and fitness for this important day.

CREPE FLOWERS, such as Roses, Wisteria, Carnations, etc.; Magnolia Leaves, green and brown, in cartons and bulk—our famous **Higrade** quality, no torn or mouldy leaves; Metal Wreaths and Designs, home-made, fresh from the factory to you—no shop-worn stock sent out; Cemetery Vases of iron or tin and enamelled tin; Cape Flowers, best in the world.

All these and many other seasonable things constitute the stock you can get from us **NOW** and **MAKE MONEY** on them. Send for prices and you will be astonished to see how much you can do with a little money when you go straight to headquarters—**The Florists' Supply House of America.**

H. BAYERSDORFER & CO.

1129 Arch Street, PHILADELPHIA, PA.

to their displays, with the result that the growers in this vicinity have more call for unusually large, fine or rare specimens than is normally the case. A short time ago Podesta & Baldocchi had on display at their Grant avenue shop a rhododendron plant, said to be the finest specimen ever shown here; this week Pelicano, Rossi & Co. have in their window on Kearny street an elaborate showing of orchids, including a *Cattleya Mossiae* from the Berkeley establishment of J. A. Carbone, bearing 200 blooms, and other notable displays are weekly making their appearance.

The Convention Garden of the Society of American Florists in Golden Gate Park is rapidly being prepared under the supervision of John McLaren, superintendent of the park. Fifteen men are employed there at present. Some fine exhibits from various large nurserymen and florists will be installed this month. Ten thousand feet of space have already been subscribed for and applications for space and further particulars are beginning to come in more freely from the east, which is gratifying to the local committee, as practically all the space so far reserved has been taken by Pacific Coast growers. This exhibit will undoubtedly be of great interest to the eastern delegates, as many plants shown in the open here are grown under glass in the East and Middle West.

CHICAGO NOTES.

A. E. Hunt has taken a part of the

store occupied by D. E. Frerers, in the Atlas Block.

R. Schmidt, of Frank Schmidt's, and family are visiting in Ohio and Kentucky for ten days.

The Harry Rowe store will be ready for Kyle & Forester about May 15. Soon there will be so many florists on the ground floor that the upper floors will have to offer extra inducements to customers.

John Sinner and Martha Gunterberg have given up their wholesale store in the Fairbanks Bldg. and moved into the Atlas Block, at 158 N. Wabash Ave., where J. B. Deamud was formerly. They have taken out a three years' lease on the main floor.

From the florists' standpoint the month of April was too warm and too dry and the footings in the sales books show a poor month financially. To the growers the drouth has meant possibilities of problems later. Every one was glad when the new month came in cold and a much needed rain followed.

John Walsh, of the Chicago Flower Growers' Association, is rejoicing in the recovery of a fine gold watch, which was stolen from the store during the Prosperity Parade, a week ago. It was found at a pawn shop, but the chain is still missing. Two years ago John Walsh and Mike Fink both had their watches stolen from the store and neither one was recovered.

Mathew Mann in speaking of the changes caused by the death of his partner, John Zech, said that Allie Zech would become at once the manager of the store and take his father's place in the business. He is one of the young men in the trade. Like his father, he has a natural aptitude for the florist business and has had several years' training. His friends wish him success in his new and responsible position.

Natural Green Sheet Moss

\$1.75

Dyed Green Sheet Moss

\$3.00

Delivered by Express

We Also Handle

FANCY and DAGGER FERNS
HUCKLEBERRY FOLIAGE

QUALITY HIGH and PRICES LOW

KNUD NIELSEN

EVERGREEN, . . . ALA.



Real Butterflies

Moths, Beetles, etc., mounted on pins for floral decorations of every description. Largest stock in America. Write for prices.

The New England Entomological Company
366 Arborway, Jamaica Plain, Mass.

NEW NEARBY DAGGER FERNS

Ready May 20th

\$2.50 per 1000, \$2.25 per 1000 in case lots

Place your orders now for your Ferns for Decoration Day. Our price is right and the Ferns as good as any offered at more money.

THE LEO NIESSEN CO.

Wholesale Florists

N. W. Cor. 12th and Race Sts.,

PHILADELPHIA, PA.

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HELP

Us to Continue
Producing the

BEST TRADE PAPER

Just Mention **HORTICULTURE**
When Writing to Advertisers

THE BEST LETTERS

FOR
FLORIST'S
USE

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THOSE
MADE
BY THE

Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. McCarthy, Mgr.

Block Letters, \$2.00 per 100.

Script Letters, \$3.00 per 100.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always
in Stock.

POEHLMANN BROS. CO.

Supply of Best Cut Flowers all the Year Around
72-74 EAST RANDOLPH ST., - - - CHICAGO.

If interested, send us your name and address for our weekly price list.

WELCH BROS. CO.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE
SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI May 3		CHICAGO May 3		BUFFALO May 3		PITTSBURG May 6	
Roses								
Am. Beauty, Special.....	20.00	to 25.00	30.00	to 35.00	20.00	to 25.00	25.00	to 30.00
" " Fancy and Extra.....	12.50	to 15.00	20.00	to 25.00	12.00	to 15.00	15.00	to 20.00
" " No. 1.....	8.00	to 10.00	15.00	to 20.00	6.00	to 10.00	6.00	to 10.00
Killarney, Richmond, Extra.....	5.00	to 6.00	5.00	to 6.00	5.00	to 7.00	8.00	to 10.00
" " Ordinary.....	2.00	to 4.00	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Hillingdon, Ward, Sunburst, Extra.....	5.00	to 6.00	6.00	to 8.00	6.00	to 9.00	.....	to 8.00
" " Ordinary.....	2.00	to 4.00	3.00	to 4.00	4.00	to 6.00	3.00	to 6.00
Maryland, Radiance, Taft, Extra.....	5.00	to 6.00	8.00	to 10.00	6.00	to 8.00	.....	to 8.00
" " Ordinary.....	2.00	to 4.00	4.00	to 6.00	3.00	to 6.00	3.00	to 6.00
Russell, Hadley, Ophelia, Mock.....	2.00	to 8.00	4.00	to 20.00	5.00	to 7.00	4.00	to 10.00
Carnations, Fancy.....	.....	to 2.00	5.00	to 6.00	1.50	to 2.00	.....	to 6.00
" " Ordinary.....	.....	to 1.00	.....	to 4.00	1.00	to 1.50	.....	to 4.00
Cattleyas.....	30.00	to 40.00	.....	to 75.00	8.00	to 40.00	25.00	to 50.00
Lilies, Longiflorum.....	6.00	to 10.00	.....	to 10.00	8.00	to 10.00	6.00	to 10.00
" " Rubrum.....	.....	to 10.00	.....	to 10.00	3.00	to 5.00	.....	to 10.00
Lily of the Valley.....	3.00	to 4.00	3.00	to 4.00	.....	to 4.00	3.00	to 4.00
Daisies.....	.....	to 1.00	1.00	to 2.00	1.00	to 1.50	1.50	to 3.00
Stocks.....	.....	to 1.00	1.00	to 6.00	1.50	to 2.00	.....	to 1.00
Snapdragon.....	.....	to 4.00	4.00	to 10.00	3.00	to 5.00	1.00	to 3.00
Iris.....	.....	to 1.00	.....	to 1.00	.....	to 1.00	.....	to 1.00
Gladioli.....	.....	to 8.00	8.00	to 6.00	4.00	to 6.00	4.00	to 6.00
Calendulas.....	.....	to 1.00	1.00	to 2.00	3.00	to 4.00	2.00	to 4.00
Sweet Peas.....	1.50	to 1.50	1.50	to 1.50	1.50	to 1.50	1.50	to 1.00
Corn Flower.....	.....	to 1.00	.....	to 2.00	1.75	to 1.00	.....	to 1.00
Gardenias.....	10.00	to 15.00	1.00	to 12.00	2.00	to 25.00	.....	to 1.00
Adiantum.....	.....	to 1.00	1.00	to 1.50	1.00	to 1.25	.....	to 1.25
Smilax.....	12.50	to 15.00	15.00	to 20.00	.....	to 15.00	.....	to 15.00
Asparagus Plumosus, Strings (100).....	.....	to 50.00	50.00	to 60.00	40.00	to 50.00	.....	to 50.00
" " & Spreng. (100 bchs.).....	35.00	to 35.00	25.00	to 35.00	25.00	to 35.00	.....	to 50.00

WILLIAM F. KASTING CO.

Wholesale Florists

383-387 ELLICOTT ST. - - - BUFFALO, N. Y.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

Telephone 3860 Madison Square

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WHOLESALE

Plantsmen and Florists

37 and 39 West 28th St., NEW YORK

EDWARD REID

WHOLESALE FLORIST

1619-21 Ranstead St., Philadelphia, Pa.

CHOICE BEAUTIES, ORCHIDS, VALLEY, ROSES
and all Seasonable Varieties of Cut Flowers

MICHIGAN CUT FLOWER

EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

264 RANDOLPH ST., DETROIT, MICH.



C. E. CRITCHELL

"The" Wholesale Florist of Cincinnati
32-34-36 East Third Street

Consignments Solicited. Complete stock of
Florists' Greens and Supplies.

Mention Horticulture when writing.

Wired Toothpicks

Manufactured by

W. J. COWEE, Berlin, N. Y.

10,000...\$1.75. 50,000...\$7.50. Sample free
For sale by dealers.

E. G. HILL CO.

Wholesale Florists

RICHMOND, IND.

Please mention Horticulture when writing.

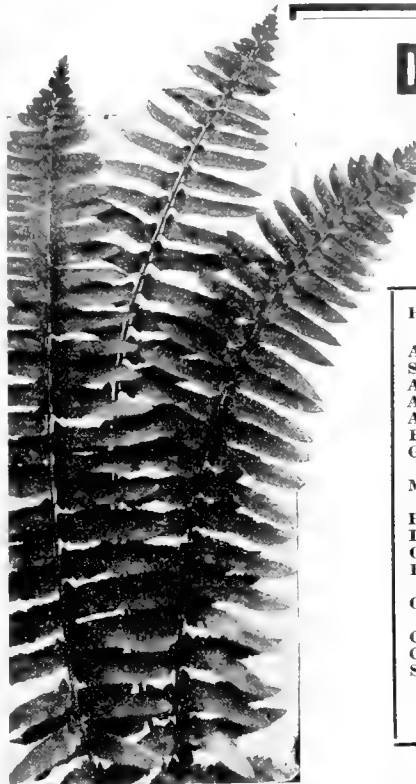
Flower Market Reports

Conditions are much better at the present writing than they have been during the last few weeks. This applies more directly to the wholesale markets than to the retail stores, although the latter have not been idle. The weather during the last month was extremely dry and sunny and an excess supply of everything was the result. But the reverse is now true. Beginning with a severe electrical storm last week the air has continually been charged with moisture, the breeze chilly and snappy, the clouds threatening torrents, etc. Thus a short supply exists, and what with Mothers' Day coming on, carnations are expected to soar to \$6.00 and \$8.00 per 100. There has been a scarcity of this crop all week, making the average price \$3.00 per 100. Roses seem to be plentiful all the time and no change is evident in this stock. May Day business was rather disappointing; only one or two retailers attempted to exploit it. It is unfortunate that an undersupply of stock seems so evident for Mothers' Day, in direct opposition to the plans of leading retailers, who realize that the success of the day depends upon a reasonable charge for carnations and other flowers.

The market was over-loaded all last week and values were simply all cut to pieces. Speculative buying was quiet. Saturday was a cleaning-up day for carnations, but roses did not move well. The situation was very discouraging. Beauties, too, were plentiful and prices low. This week the market shows a little activity and a good portion of stock is being consumed. The week should end more satisfactorily, as Mothers' Day is looked to as a help-out.

The demand has increased along all staple lines during the past week. Some of the more optimistic wholesalers see quite a change for the better while some are still anxiously looking. The sudden drop in temperature, no doubt, played a large part in the change, keeping people in the house and making social life more active. At any rate, there are less flowers left on the counters and better prices are obtained for those that are sold, than since before Easter. The market cleans up to a fair degree each day. All kinds of stock are of good quality in spite of the summer temperature that prevailed for days. Ferns are now sold at three dollars per thousand and those not supplied are looking over the situation with an anxious eye. The week was marked by the first appearance of peonies for the season. They came from Indiana and are offered for from 60 to 75 cents per dozen. Mothers' Day and carnation prices are absorbing the attention of all. A few jonquils are still seen, but bulbous stock is considered of the past.

The demand for CINCINNATI stock is fairly active but not very large while the supply continues to be more



DAGGER FERNS

For Memorial Day, nearby Dagger Ferns, not the inferior stock that is being offered in such quantities, but large, elegant, well selected fronds, put up in uniform packages, ready about May 20th.

\$2.50 per 1000.
In lots of 10,000, \$2.00 per 1000.

HEADQUARTERS FOR GREENS, MOSS AND FOLIAGE.

Adiantum, per 100.....	\$1.00	\$1.50
Smilax, per 100 strings.....	20.00	25.00
Asparagus Plumosus, per bunch.....	.50	
Asparagus Plumosus, strings.....	.50	
Asparagus Sprengerii, per bunch.....	2.50	
Fancy Ferns, per 1000.....	1.50	
Galax, bronze and green, per 1000.....	7.50	
Per 10M case.....		
Magnolia Leaves, prepared; bronze and green; per carton.....	1.50	
Boxwood Sprays, per 100 lbs.....	15.00	
Lycopodium, per 100 lbs.....	9.00	
Cut Laurel, per bunch (about 5 lbs.).....	.50	
Retinispora Sprays, in crate of about 25 lbs., per lb.....	.30	
Cut Hemlock, large bdl.....	2.50	
5 bdl.....	10.00	
Green Sheet Moss, per bag.....	3.50	
Green Lump Moss, per bag.....	1.50	
Sphagnum Moss (burlapped):		
10-bbl. bale.....	4.00	
5-bale lots, per bale.....	3.75	
10-bale lots, per bale.....	3.50	

S. S. PENNOCK - MEEHAN CO.

The Wholesale Florists of Philadelphia

PHILADELPHIA, 1608-1620 Ludlow Street

NEW YORK, 117 West 28th Street

BALTIMORE, Franklin and St. Paul Sts.

WASHINGTON, 1216 H St., N. W.



WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON May 6		ST. LOUIS May 3		PHILA. May 3	
Roses						
Am. Beauty, Special.....	20.00	to 35.00	20.00	to 35.00	16.00	to 20.00
" " Fancy and Extra.....	10.00	to 20.00	10.00	to 15.00	10.00	to 10.00
" " No. 1.....	4.00	to 10.00	5.00	to 8.00	6.00	to 8.00
Killarney, Richmond, Extra.....	4.00	to 10.00	4.00	to 6.00	2.00	to 6.00
" " Ordinary.....	1.00	to 3.00	1.00	to 2.00	1.00	to 2.00
Hillingdon, Ward, Sunburst, Extra.....	6.00	to 12.00	4.00	to 8.00	2.00	to 8.00
" " Ordinary.....	2.00	to 4.00	2.00	to 3.00	1.00	to 4.00
Maryland, Radiance, Taft, Extra.....	6.00	to 12.00	4.00	to 6.00	2.00	to 8.00
" " Ordinary.....	3.00	to 4.00	2.00	to 3.00	1.00	to 3.00
Russell, Hadley, Ophelia, Mock.....	4.00	to 12.00	5.00	to 10.00	4.00	to 12.00
Carnations, Fancy.....	3.00	to 4.00	1.00	to 2.00	2.00	to 4.00
" " Ordinary.....	2.00	to 3.00	.50	to .75	1.00	to 2.00
Cattleyas.....	30.00	to 50.00	35.00	to 40.00	25.00	to 50.00
Lilies, Longiflorum.....	8.00	to 8.00	8.00	to 8.00	4.00	to 8.00
" " Rubrum.....	6.00	to 6.00	.....	.....	.....	.....
Lily of the Valley.....	2.50	to 3.00	3.00	to 4.00	1.00	to 4.00
Daisies.....	.50	to 1.50	1.00	to 2.00	.50	to 1.00
Stocks.....	.....	.....	1.00	to 3.00	2.00	to 3.00
Snapdragon.....	2.00	to 4.00	2.00	to 3.00	2.00	to 4.00
Iris.....	1.00	to 2.00	.....	.....	.....	.....
Gladioli.....	.....	.....	4.00	to 6.00	4.00	to 8.00
Calendulas.....	.....	.....	.....	2.00	3.00	to 4.00
Sweet Peas.....	.25	to 1.00	.15	to .40	.50	to 1.00
Corn Flower.....	.50	to .75	.....	.....	.75	to 1.50
Cardenias.....	10.00	to 15.00	.....	.....	5.00	to 12.00
Adiantum.....	.50	to 1.00	1.00	to 1.25	.75	to 1.00
Smilax.....	10.00	to 12.00	10.00	to 15.00	15.00	to 25.00
Asparagus Plumosus, Strings (100).....	25.00	to 50.00	35.00	to 50.00	.....	to 50.00
" " & Spren. (100 Bchs.).....	25.00	to 40.00	15.00	to 20.00	25.00	to 50.00

than sufficient for immediate needs. Shipping business is fair. Judging from reports from growers at the time of this writing the supply of white carnations will be very large. Both roses and carnations are very plentiful. The cut of lilies easily takes care of all wants in this line. Sweet peas were greatly affected by the hot weather, but new cuts and crops are very good in quality. Some very fine iris may be had. Gladioli receipts are still

rather limited; they have a good market. Orchids are unusually fine. A few peonies are in and the new southern fern is now in the market.

Market conditions are NEW YORK overturned this week. It is safe to say the supply has fallen off 75 per cent. Weather has been cold and disagreeable and stock actually scarce though

(Continued on p. 634)

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Choice Cut Flowers

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Madison Square **New York**

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Call and inspect the Best Establishment
in the Wholesale Flower District.

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CONSIGNMENTS SOLICITED

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JOHN YOUNG

Wholesale Florist

53 WEST 28th STREET NEW YORK CITY

Consignments Solicited

Phone 7362 Madison Square

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Ferns, Mosses, Wild Smilax, Galax,
Leucothoe, Palmetto, Cycas, both fresh
cut and prepared.

Laurel, Hemlock, all Decorating Evergreens.
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Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

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FINE ROSES, FANCY CARNATIONS

A Full Line of ALL CUT FLOWERS.
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Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Decorative Glassware, Growers and
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P. J. SMITH

WHOLESALE COMMISSION FLORIST SELLING AGENT FOR
LARGEST GROWERS

A full line of Choice Cut Flower Stock for all purposes.

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THOMAS TRACEY, Mgr. 611 Broadway, ALBANY, N. Y.
WHOLESALE ONLY

SAVE TIME AND MONEY BY SENDING YOUR ORDER TO US

Prices Right. Consignments Solicited. Telephone Connection

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Wholesale Florist

55 and 57 W. 26th Street, NEW YORK

Telephone 7062 Madison

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WHOLESALE FLORISTS, 34 West 28th St., New York

Telephones { 1064 / 1065 } Madison Square CONSIGNMENTS SOLICITED

NEW YORK QUOTATIONS PER 100. To Dealers Only**ROSES AND CARNATIONS**

	Last Half of Week ending May 1 1915		First Half of Week beginning May 3 1915	
American Beauty, Special	8.00	to 12.00	10.00	to 20.00
" " Fancy and Extra	4.00	to 8.00	5.00	to 10.00
" " No. 1	2.00	to 3.00	2.00	to 5.00
Killarney, Richmond, Extra	2.00	to 4.00	3.00	to 5.00
" " Ordinary .....	.25	to 1.00	1.00	to 3.00
Hillingdon, Ward, Sunburst, Extra	1.00	to 4.00	3.00	to 5.00
" " Ordinary .....	.25	to 1.00	1.00	to 2.00
Maryland, Radiance, Taft, Extra	2.00	to 4.00	2.00	to 5.00
" " Ordinary .....	.25	to 2.00	1.00	to 2.00
Russell, Hadley, Ophelia, Mock	1.00	to 12.00	2.00	to 12.00
Carnations, Fancy	1.50	to 2.00	2.00	to 4.00
" " Ordinary .....	.50	to 1.00	1.00	to 2.00

Tel 167 and 4468 Madison Sq. Established 1887; Open 6 a. m. daily

"OLD AND RELIABLE," YET ALWAYS PROGRESSIVE

J. K. ALLEN

Has removed to a more spacious and modern equipped store at 118
West 28th Street. Every facility and convenience for the care and
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Consignments Solicited

GUTTMAN & RAYNOR, Inc.

A. J. GUTTMAN, President.

Wholesale Florists

101 W. 28th St., NEW YORK

We have 20 years' experience behind us.
Telephone, Madison Square 806 and 807.



Flower Market Reports

(Continued from page 633)

quite enough for the demand. On last Saturday prices advanced sharply, Beauties going to 20 and 25c., but they are now down again to 10 and 15c. Mothers' Day of course has caused the prices to boom up in carnations and there is a possibility of their going still higher by Saturday. Outdoor lilac is everywhere. Bulbous stock is about gone—ditto violets. Lilies find a good demand. Hadley roses are most sought and it is said that some especially good blooms bring 30c.

PHILADELPHIA Business continues on a fairly satisfactory basis.

Conditions are about as last reported. Big supplies and low prices. The growers manage to make some kind of a clean-up at the end of the week, although at big sacrifices. Roses are going off rapidly both in quantity and quality. Not nearly as many Beauties as a week ago. Russells still very good and selling well. These and Hadley and Double White Killarney are the leaders at present. Carnation market about normal; prices low. Last year, white for Mothers' Day, were quoted eight to ten. This year six to eight is the asking figure, four days ahead. Sweet peas are of poor substance and quality—except from growers who are cutting from fresh new vines. Prices on orchids stiffened up a little. Not so many of these coming in. There is a good supply of Spanish iris, and they are selling fairly well. There is a limited supply of *gandavensis gladioli* on the market; but the bulk of the arrivals so far are of the "baby" type. Not much life to the snapdragon market. No snap to it. Callas and lilies both in reduced supply. These are gradually getting back to where they belong.

SAN FRANCISCO In regard to market conditions there is

little change since last week. Business is about normal and supplies continue plentiful, which tends to keep prices steady. Some nice gardenias have appeared within the last few days, and orchids are coming in as rapidly as desired by the trade. Peonies are in good supply and the demand is very satisfactory. Tulips are practically off the market, after a successful season, but some good narcissus and daffodils are still in evidence. German and Spanish iris are having a good call. Business is a little spotted on roses, but some kinds are moving nicely. Carnations and sweet peas continue a little over plentiful in view of only a moderate demand.

ST. LOUIS Conditions in the wholesale market have not changed any since last reported. Everything is coming in more plentiful than ever and prices have dropped if anything on the quotations reported in last issue. The big receipts of outdoor stock has contributed to this stagnation. While the trade is buying liberally daily the receipts have been so heavy that there is a big surplus left after the daily sales are over. Carnations have been the worry of the wholesaler all week as how to dispose of them. The sup-

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American Beauties, Orchids, Valley, Carnations. All the novelties in the Cut Flower Market furnished on short notice. Prices quoted on application. No retail orders accepted. Flowers shipped out of Boston on early trains.

STORE OPEN FOR BUSINESS AT 6 A. M.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending May 1 1915		First Half of Week beginning May 3 1915	
<i>Cattleyas</i>	15.00	to 35.00	15.00	to 25.00
<i>Lilies, Longiflorum</i>	3.00	to 6.00	4.00	to 6.00
<i>Rubrum</i>	2.00	to 6.00	4.00	to 6.00
<i>Lily of the Valley</i>	1.00	to 3.00	2.00	to 3.00
<i>Daisies</i>.....	.....	to 1.00	.....	to 1.00
<i>Stocks</i>	1.00	to 1.00	1.00	to 3.00
<i>Snapdragon</i>	2.00	to 3.00	2.00	to 4.00
<i>Iris</i>	1.00	to 2.00	1.00	to 2.00
<i>Gladioli</i>	2.00	to 5.00	2.00	to 6.00
<i>Calendulas</i>.....	.....	to 2.00	.....	to 3.00
<i>Sweet Peas</i>.....	.50	to .75	.50	to 1.00
<i>Corn Flower</i>.....	.....	to 1.00	.....	to 1.00
<i>Gardenias</i>	2.00	to 10.00	2.00	to 12.00
<i>Adiantum</i>.....	.50	to .75	.50	to 1.00
<i>Smilax</i>	8.00	to 10.00	10.00	to 12.00
<i>Asparagus Plumosus</i> , strings (per 100).....	15.00	to 35.00	15.00	to 50.00
<i>& Spreen</i> (100 bunches).....	10.00	to 20.00	15.00	to 25.00

ply of roses was equally heavy at all times and everything else in season is coming in in such large lots that it is impossible for the wholesalers to unload at any price.

WASHINGTON There are not nearly as many

flowers going to waste this week, and on several days the street men found it quite difficult to obtain cheap stock. Local stock is not quite as good as that from the north, which is receiving preference on all orders. Mothers' Day advance orders have increased the carnation demand, causing the price to jump from \$2 and \$3, the quotation for the first of the week to \$6 and \$8 for white, and up to \$4 and \$5 for pink. Gladioli is coming into the market in increasing quantities. Iris is quite plentiful. Lilac and other spring blossoms, which have been so very plentiful, are rapidly approaching their end. Outdoor lily of the valley is not bringing very much in the way of price. Gardenias are getting small and poor and their demand has lightened. Orchids are cleaning up nicely. The demand for white and yellow daisies has kept up well. Cowslips are about done for and violets are practically over. Business since the beginning of the month has showed a decided improvement.

VISITORS' REGISTER.

Boston—A. E. Thatcher, Bar Harbor, Me.

St. Louis, Mo.—Prof. B. L. Robinson, Harvard Botanical Garden, Cambridge, Mass.

Philadelphia—J. F. Gardener, representing J. Bolgiano & Son, Baltimore, Md.; Jacob A. Fries, Bethlehem, Pa.

Chicago—J. Micklejohn, representing H. Frank Darrow, New York; F. W. Marquart, Valparaiso, Ind.; John A. Evans, Richmond Ind.; F. N. Kenyon, South Bend, Ind.; H. Philpott, Winnepeg, Man.; M. J. Rosbergen, Boskoop, Holland.

BUSINESS TROUBLES.

Dansville, N. Y.—Reilly Bros., nurserymen, Edward Bacon, receiver. The

firm is not insolvent, but the creditors demand an adjustment.

Woburn, Mass.—Carl O. Everberg, florist, assets \$1,890.14, liabilities \$10,255.76.

Fulton, N. Y.—Theo. Foederer, florist, 7 S. 2d street, assets \$400, liabilities \$1,525.

Saratoga Springs, N. Y.—T. J. Totten, Inc., florist, assets \$9,814., liabilities \$11,152.

NEW CROP FANCY FERNS

\$1.25 per 1000

Special Inducements For

QUANTITY ORDERS

Contract Now For

DECORATION DAY REQUIREMENTS

I also handle the very best quality Huckleberry Foliage, Dyed and Natural Sheet Mosses. I am a new Firm in the Field but an Old-Timer in experience. Give Me a Trial.

I WILL PLEASE YOU

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EVERGREEN, ALA.

STUART H. MILLER WHOLESALE FLORIST

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APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.
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AQUATICS

Henry A. Dreer, Philadelphia, Pa.
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Godfrey Aschmann, Philadelphia, Pa.
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ASPARAGUS SPRENGERI

J. E. Felthousen, Schenectady, N. Y.
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Elliott Auction Co., New York City.
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AZALEAS

P. Ouwkerk, Hoboken, N. J.
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August Rolker & Sons, New York.
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BAY TREES—Standard and Pyramids.
All sizes. Price List on demand. JULIUS ROEHR'S CO., Rutherford, N. J.

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A. N. Pierson, Inc., Cromwell, Conn.
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BEGONIAS

Julius Roehrs Company, Rutherford, N. J.
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R. & J. Farguhar & Co., Boston, Mass.
Farguhar's Tuberosus Rooted Begonias.
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NOW READY FOR DELIVERY

Begonia, Gory of Cincinnati; we have some extra early propagated strong young plants now ready; these will make fine specimens for the Christmas trade; \$18 per 100, net. Cash with order please. We are the originators. J. A. PETERSON & SONS, Cincinnati, Ohio.

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"King Ideal" Boiler.

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Lord & Burnham Co., New York City.
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Hitchings & Co., New York City.

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Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made.
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Bulbs of all descriptions. Write for prices.
NEW YORK Branch, 8-10 Bridge St.

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Send for Canna book.

THE CONARD & JONES COMPANY,
West Grove, Pa.

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Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 1000 for 35c.; 3000 for \$1.00 post paid. I. L. PILLSBURY, Galesburg, Ill.

Supreme Carnation Staples, for repairing split carnations, 35c. per 1000; 3000 for \$1.00. F. W. WAITE, 85 Belmont Ave., Springfield, Mass.

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N. F. McCarthy & Co., Boston, Mass.
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Poehlmann Bros. Co., Morton Grove, Ill.
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Wood Bros., Fishkill, N. Y.
Chrysanthemums Rooted Cuttings.
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Chas. H. Totty, Madison, N. J.
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The Cream of 1914 Introductions.

The most popular Commercial and Exhibition kinds; also complete line of Poppies, Singles and Anemones. Trade list on application. ELMER D. SMITH & CO., Adrian, Mich.

Chrysanthemum Rooted Cuttings—Chas. Razer, Polly Rose, Ivory, Golden Glow, Donatello, Halliday, Bonaffon, Unaka, Pacific Supreme, Dr. Enguehard, \$15.00 per 1000. J. Nonin, Xmas White, Mrs. Syme, Yanoma, Comoleta, Chrysolora, Roman Gold, Appleton, Minnie Bailey, Wells' Late Pink, Patty, Helen Frick, Harvard, \$17.50 per 1000. H. J. ROLFE, Hammonont, N. J.

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20th Century Plant Food Co., Beverly, Mass.
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Send for Wholesale List of whole clumps and separate stock; 40,000 clumps for sale. Northboro Dahlia and Gladiolus Gardens, J. L. MOORE, Prop., Northboro, Mass.

NEW PAEONY DAHLIA

John Wanamaker, Newest, Handsomest, Best. New color, new form and new habit of growth. Big stock of best cut-flower varieties. Send list of wants to PEACOCK DAHLIA FARMS, Berlin, N. J.

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Alonzo J. Bryan, Washington, N. J.
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DRACAENA

FOR SALE: Dracaena indivisa, from 2-in. pots, \$1.00 a hundred. Cash with order. J. P. THEVE, R. F. D. No. 4, Box No. 9, Norwich, Conn.

Dracaena indivisa, extra heavy, 3½-inch and 5-inch, \$5.00 and \$20.00 per 100. Cash. F. SOKOL, College St., Worcester, Mass.

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FERTILIZERS

20th Century Plant Food Co., Beverly, Mass.
Cocoanut Fibre Soil.
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Stumpp & Walter Co., New York City.
Scotch Soot.
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Pulverized Manure Co., Chicago, Ill.
Wizard Brand Cattle Manure.
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Farmers' and Florists' Fertilizer Co., Chicago, Ill.
Aetna Brand Tankage Fertilizer.
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Boston Florist Letter Co., Boston, Mass.
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Memorial Day Supplies.
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Welch Bros. Co., Boston, Mass.
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Peirce Paper Flower Pot.
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FUCHSIAS

Fuchsias—Black Prince, Speciosa, double purple and white, Rooted Cuttings, \$1.00 per 100; 2½-in., \$2.00 per 100.
W. J. BARNETT, R. D. 67, Sharon, Pa.

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GALAX

Michigan Cut Flower Co., Detroit, Mich.
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North Shore Nursery & Florist Co., Frank E. Cole, Mgr., Beverly Farms, Mass.
For page see List of Advertisers.

GERANIUMS—3½-inch pots, S. A. Nutt and La Favorite, \$6.00 and \$8.00 per 100; Poitevine Pink, \$8.00 per 100 in bud and bloom. Cash. **CHAS. H. GREEN, Spencer, Mass.**

Geraniums Nutt, Ricard, Poitevine; English Ivy, Heliotrope, 3½-inch, \$6.00 per 100. Begonia Vernon, Salvia Bonfire, white Marguerite, German Ivy, Dracena indivisa, 3½-inch, \$5.00 per 100. Blue Ageratum, double Alyssum, 3-inch, \$4.00 per 100. Coleus Verschaffeltii, Golden Bolder and other fancy varieties, 2½-inch and 3-inch, \$2.50 and \$4.00 per 100. Geranium Sallerol, 3-inch, \$5.00 per 100. Vinca variegata, 3½-inch, \$7.00 per 100. Dracena indivisa, extra heavy, 5-inch, \$20.00 per 100. Alternanthera, red, yellow, 2-inch, \$2.00 per 100. Cash. **F. SOKOL, College St., Worcester, Mass.**

GLADIOLUS

John Lewis Childs, Flowerfield, L. I., N. Y.
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A. Henderson & Co., Chicago, Ill.
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Arthur T. Boddington, New York, N. Y.
For page see List of Advertisers.

GLADIOLUS—Continued**OHIO GROWN.**

We have for late planting gladiolus bulbs sizes 1 and 2 of America, Mrs. Francis King, Independence and Taconic. **MUNSELL & HARVEY, Ashtabula, Ohio.**

GLASS

Sharp, Partridge & Co., Chicago.
For page see List of Advertisers.

Parshelsky Bros., Inc., Brooklyn, N. Y.
For page see List of Advertisers.

Greenhouse glass, lowest prices. **JOHN-STON GLASS CO., Hartford City, Ind.**

GLASS CUTTERS

Smith & Hemenway Co., New York City.
Red Devil Glass Cutter.
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GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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GOLD FISH

Gold fish, aquarium plants, snails, castles, globes, aquarium, fish goods, nets, etc., wholesale. **FRANKLIN BARRETT, Breeder, 4815 D St., Olney, Philadelphia, Pa.** Large breeding pairs for sale. Send for price list.

GREENHOUSE BUILDING MATERIAL

King Construction Co., N. Tonawanda, N. Y.
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Parshelsky Bros., Inc., Brooklyn, N. Y.
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S. Jacobs & Sons, Brooklyn, N. Y.
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Metropolitan Material Co., Brooklyn, N. Y.
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A. T. Stearns Lumber Co., Neponset, Boston.
Stearns Cypress.

Lord & Burnham Co., New York City.
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GREENHOUSE CONSTRUCTION

King Construction Co., N. Tonawanda, N. Y.
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Foley Greenhouse Mfg. Co., Chicago, Ill.
For page see List of Advertisers.

Metropolitan Material Co., Brooklyn, N. Y.
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S. Jacobs & Sons, Brooklyn, N. Y.
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Lord & Burnham Co., New York City.
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Hitchings & Co., New York City.

A. T. Stearns Lumber Co., Boston, Mass.

GUTTERS

King Construction Co., N. Tonawanda, N. Y.
King Channel Gutter.
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Metropolitan Material Co., Brooklyn, N. Y.
Iron Gutters.
For page see List of Advertisers.

HAIL INSURANCE

Florists' Hall Asso. of America.
J. G. Esler, Saddle River, N. J.
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HARDY FERNS AND GREEN GOODS

Michigan Cut Flower Exchange, Detroit, Mich.
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The Kervan Co., New York.

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HARDY PERENNIALS

Henry A. Dreer, Philadelphia, Pa.
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Bay State Nurseries, No. Abington, Mass.
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HARDY PERENNIALS—Continued

P. Ouwerkerk, Hoboken, N. J.
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Pallsades Nurseries, Sparkill, N. Y.
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HEATING APPARATUS

Kroeschell Bros. Co., Chicago.
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Lord & Burnham Co., New York City.
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HOT-BED SASH

Parshelsky Bros., Inc., Brooklyn, N. Y.
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Foley Greenhouse Construction Co., Chicago, Ill.
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S. Jacobs & Sons, Brooklyn, N. Y.
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Lord & Burnham Co., New York City.
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A. T. Stearns Lumber Co., Neponset, Mass.

HOSE

H. A. Dreer, Philadelphia, Pa.
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INSECTICIDES

Aphine Manufacturing Co., Madison, N. J.
Aphine and Fungine.
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Lemon Oil Co., Baltimore, Md.
Standard Insecticides.
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Nicotine Mfg. Co., St. Louis, Mo.
Aphis Punk and Nikoteen.
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Roman J. Irwin, New York City.
Nico Fume Liquid and Paper.
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IRRIGATION EQUIPMENT

John Simmons Co., New York City.
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Geo. N. Barrie, Brookline, Mass.
For page see List of Advertisers.

IVY

English Ivy Rooted Cuttings, 75c. per 100, post paid. From soil 20 to 30 in., \$3.00. From pots 12 to 15 in., \$4.00. **CHAS. FROST, Kenilworth, N. J.**

LEMON OIL

Lemon Oil Co., Baltimore, Md.
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LILY BULBS

Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
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R. M. Ward & Co., New York, N. Y.
Japanese Lily Bulbs of Superior Quality.
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Corp. of Chas. F. Meyer, New York City.
Meyer's T. Brand Giganteums.
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LILY OF THE VALLEY

Chas. Schwake & Co., Inc., New York City.
Hohmann's Famous Lily of the Valley Pips.
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McHutchison & Co., New York City.
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Lochner & Co., New York City.
Lily of the Valley Pips.
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LIQUID PUTTY MACHINE

Metropolitan Material Co., Brooklyn, N. Y.
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MASTICA

F. O. Pierce Co., New York City.
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MODERN IRRIGATION

J. P. Campbell, Jacksonville, Fla.

In writing to Advertisers kindly mention Horticulture

NATIONAL NURSERYMAN

National Nurseryman Publishing Co., Inc.,
 160 E. 17th St., N. Y.
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"NICO TUM"

Rosen J. Brown, New York City.
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NIKOTIN

Nicotine Mfg. Co., St. Louis, Mo.
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NIKOTIANA

Apline Mfg. Co., Madison, N. J.
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NURSERY STOCK

P. Ouwerkerk, Woodlawn Heights, N. J.
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W. & T. Smith Co., Geneva, N. Y.
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Bay State Nurseries, North Abington, Mass.
 Hardy, Northern Grown Stock.
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Robbink & Atkins, Rutherford, N. J.
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Framingham Nurseries, Framingham, Mass.
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August Rolker & Sons, New York City.
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Choicest lawn shrubs, covering plants and
 border perennials, large stock. Prices
 low. Any quantity. Send for list.

WYOMANOCK NURSERIES,
 R. T. Lebanon Springs, N. Y.

NUT GROWING.

The Nut-Grower, Waycross, Ga.

ORNAMENTAL PLANTS

Henry A. Dreer, Philadelphia, Pa.
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ONION SETS

Leonard Seed Co., Chicago, Ill.
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Schilder Bros., Chillicothe, O.
 Onion Seed-Onion Sets.
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ORCHID FLOWERS

Jas. McManus, New York, N. Y.
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ORCHID PLANTS

Julius Roehrs Co., Rutherford, N. J.
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Lager & Hurrell, Summit, N. J.
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PALMS, ETC.

Robert Craig Co., Philadelphia, Pa.
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August Rolker & Sons, New York City.
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PELARGONIUMS

R. Vincent, Jr., & Sons Co., White Marsh,
 Md.
 Pelargonium Clorinda.
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PEONIES

Peonies. The world's greatest collection.
 1200 sorts. Send for list. C. BETSCHER,
 Canal Dover, O.

PECKY CYPRESS BENCHES

A. T. Stearns Lumber Co., Boston, Mass.

PIPE AND FITTINGS

Kroeschell Bros. Co., Chicago.
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Perry, Buxton, Doane Co., So. Boston, Mass.
 Second Hand Pipe.
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PIPE AND FITTINGS—Continued

King Construction Company,
 N. Tonawanda, N. Y.
 Shelf Brackets and Pipe Hangers.
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PLANT AND BULB IMPORTS

Chas. Schwake & Co., New York City
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August Rolker & Sons, New York City
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PLANT TRELLISES AND STAKES

Seele's Trellis Plant Stakes and Trellises. H. D. SEELE & SONS, Elkhart, Ind

PLANT TUBS

American Woodware Mfg. Co., Toledo, O.
 Tree Tubs and Brass Hoop Jardinieres.
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H. A. Dreer, Philadelphia, Pa.
 "Riverton Special."

RAFFIA

McHutchison & Co., New York, N. Y.
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RHODODENDRONS

P. Ouwerkerk, Hoboken, N. J.
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Framingham Nurseries, Framingham, Mass.
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RIBBONS AND CHIFFONS

S. S. Pennock-Meehan Co., Philadelphia, Pa.
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ROSES

Henry A. Dreer, Philadelphia, Pa.
 Roses for Outdoor Planting.
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Poehlmann Bros. Co., Morton Grove, Ill.
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P. Ouwerkerk, Hoboken, N. J.
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Arthur T. Boddington, New York City.
 Hardy Roses.
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Robert Craig Co., Philadelphia, Pa.
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W. & T. Smith Co., Geneva, N. Y.
 American Grown Roses.
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Bay State Nurseries, North Abington, Mass.
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August Rolker & Sons, New York City.
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W. E. Marshall & Co., New York City.
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Framingham Nurseries, Framingham, Mass.
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A. N. Pierson, Inc., Cromwell, Conn.
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Rose Specialists.

THE CONARD & JONES COMPANY,
 West Grove, Pa. Send for offers.

SEASONABLE PLANT STOCK

R. Vincent, Jr. & Sons Co., White Marsh,
 Md.
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J. E. Felthousen, Schenectady, N. Y.
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Alonzo J. Bryan, Washington, N. J.
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North Shore Florist and Nursery Co.,
 Beverly Farms, Mass.
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SEED GROWERS

Leonard Seed Co., Chicago, Ill.
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California Seed Growers' Association,
 San Jose, Cal.
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Brawley Seed Growers Co., San Jose, Cal.

SEEDS

Carter's Tested Seeds,
 Seeds with a Pedigree.
 Boston, Mass. and London, England.
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Schilder Bros., Chillicothe, O.
 Onion Seed-Onion Sets.
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Joseph Breck & Sons, Boston, Mass.
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Kelway & Son,
 Langport, Somerset, England.
 Kelway's Celebrated English Strain Garden
 Seeds.
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J. Bolgiano & Son, Baltimore, Md.
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A. T. Boddington, New York City.
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Chas. Schwake & Co., New York City.
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Michell's Seed House, Philadelphia, Pa.
 Primula Seed.
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W. Atlee Burpee & Co., Philadelphia, Pa.
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R. & J. Farquhar & Co., Boston, Mass.
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Thos. J. Grey Co., Boston, Mass.
 Seeds for Present Planting.
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Leonard Seed Co., Chicago, Ill.
 Peas, Beans, Radish and all Garden Seeds.
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J. M. Thorburn & Co., New York City.
 Seeds for Present Sowing.
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S. Bryson Ayres Co., Independence, Mo.
 Sweet Peas.
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Loechner & Co., New York City.
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Ant. C. Zvolanek, Lompoc, Cal.
 Winter Flowering Sweet Pea Seed.
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S. S. Skidelsky & Co., Philadelphia, Pa.
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August Rolker & Sons, New York City.
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Burnett Bros., 98 Chambers St., New York.
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Fottler, Fiske, Rawson Co., Boston, Mass.
 Aster Seed.

SKINNER IRRIGATION SYSTEM

Geo. N. Barrie, Brookline, Mass.
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SNAPDRAGONS

Thoroughly Tested Strains.

Silver Pink, Golden Fleece, Pure white
 (winter bloomer). Rooted cuttings, \$2.00
 per 100; potted plants, 2-inch, \$4.00 per 100.

F. SOUTHWORTH,

25 Hudson St., Lynn, Mass.

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SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. **LAGER & HURRELL**, Summit, N. J.

SPRAYERS

George N. Barrie, Brookline, Mass.
The Barrie Soap Sprayer.
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STOVE PLANTS

Orchids—Largest stock in the country—Stove plants and Crotons, finest collection. **JULIUS ROEHRS CO.**, Rutherford, N. J.

SWEET PEA SEED

Ant. C. Zvolanek, Lompoc, Calif.
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S. Bryson Ayres Co.,
Sunnyslope, Independence, Mo.
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THE ANGLE LAMP

Globe Gas Light Co., Boston, Mass.

VENTILATING APPARATUS

The Advance Co., Richmond, Ind.
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The John A. Evans Co., Richmond, Ind.
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VERMICIDES

Aphine Mfg. Co., Madison, N. J.
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WEED DESTROYER

Pino-Lyptol Chemical Co., New York City.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
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WIREWOK

Reed & Keller, New York City.
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WILLIAM E. HEILSCHER'S WIRE WORKS, 264 Randolph St., Detroit, Mich.

WHOLESALE FLORISTS

Albany, N. Y.

Albany Cut Flower Exchange, Albany, N. Y.
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Baltimore

The S. S. Pennock-Meehan Co., Franklin and St. Paul Sts.
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Boston

N. F. McCarthy & Co., 112 Arch St. and 31 Otis St.
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Welch Bros. Co., 226 Devonshire St.
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Patrick Welch, 262 Devonshire St., Boston, Mass.
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Brooklyn

Wm. H. Kuebler, 28 Willoughby St.
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Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.
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Chicago

Poehlmann Bros. Co., Morton Grove, Ill.
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WHOLESALE FLORISTS—Continued Cincinnati

C. E. Critchell, 34-36 Third Ave., East.
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Detroit

Michigan Cut Flower Exchange, 38 and 40 Broadway.
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New York

H. E. Froment, 148 W. 28th St.
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James McManus, 105 W. 28th St.
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W. F. Sheridan, 133 W. 28th St.
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P. J. Smith, 131 West 28th St., N. Y.
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Moore, Hentz & Nash, 55 and 57 W. 26th St.
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New York

Charles Millang, 55 and 57 West 26th St.
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W. P. Ford, New York
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The S. S. Pennock-Meehan Co., 117 West 28th St.
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Traendly & Schenck, 436 6th Ave., between 26th and 27th Sts.
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Badgley, Riedel & Meyer, Inc., New York.
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Woodrow & Marketos, 37 & 39 West 28th St.
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J. K. Allen, 118 W. 28th St.
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George C. Siebrecht, 109 W. 28th St.
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John Young, 53 West 28th St.
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M. C. Ford, 121 West 28th St.
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Guttman & Reynor, Inc., 101 W. 28th St., New York.
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Philadelphia

Leo, Niessen Co., 12th and Race Sts.
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Edward Reid, 1619-21 Ranstead St.
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The S. S. Pennock-Meehan Co., 1606-20 Ludlow St.
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Stuart H. Miller, 1617 Ranstead St.
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Richmond, Ind.

E. G. Hill Co.
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Rochester, N. Y.

George B. Hart, 24 Stone St.
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Washington

The S. S. Pennock-Meehan Co., 1216 H St., N. W.
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New Offers In This Issue**BEGONIAS AND CYCLAMEN.**

A. M. Davenport, Watertown, Mass.
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CANNAS AND BEDDING STOCK.

R. Vincent, Jr. & Sons Co., White Marsh, Md.
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DAGGER FERNS.

S. S. Pennock-Meehan Co., Philadelphia, Pa.
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DAGGER FERNS.

The Leo Niessen Co., Philadelphia, Pa.
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HYDRANGEAS, DRACÆNAS, CROTONS, VINCAS, ENGLISH IVY, FERNS AND WINTER FLOWERING ROSES.

P. R. Pierson Co., Tarrytown, N. Y.
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JUNIPERUS SABINA VAR. PROCUMBENS.

Mt. Desert Nurseries, Bar Harbor, Me.
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NATURAL GREEN SHEET MOSS—FANCY AND DAGGER FERNS.

Knud Nielsen, Evergreen, Ala.
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NEW CROP FANCY FERNS AND HUCKLEBERRY FOLIAGE.

Knud Nielsen, Evergreen, Ala.
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NEW PRICE LIST OF SWEET PEAS.

Ant. C. Zvolanek, Lompoc, Calif.
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RELIABLE VENTILATING EQUIPMENTS.

Advance Co., Richmond, Ind.
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VEGETABLE PLANTS.

R. Vincent, Jr. & Sons Co., White Marsh, Md.
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VEGETABLE PLANTS.

Warren Shinn, Woodbury, N. J.
For page see List of Advertisers.

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as as words. Cash with order. All correspondence addressed "Care HORTICULTURE" should be sent to 147 Summer St., Boston.

FOR SALE

FOR SALE—Fresh from factory, new; 10 x 12, 16 x 18, 16 x 24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money. **PAR-SHELSKY BROS., INC.**, 215-217 Have-meyer St., Brooklyn, N. Y.

Gentlemen:

Will you please discontinue my classified gladioli advertisement now running in your paper? I am sold out of nearly all varieties, especially those called for by your readers, and hope to have as good success with you next year.

Mass.

Yours truly,

R. W. S.

In writing to Advertisers kindly mention Horticulture

HORTICULTURE INDISPENSABLE

The following examples of many approving letters received at the office of HORTICULTURE during the past few weeks, show why HORTICULTURE is so valuable as an advertising medium. Intensive circulation is HORTICULTURE'S best quality and practically every reader is a possible customer for the advertiser.

Gentlemen:—Last week's HORTICULTURE is not received. Have you scratched me off your list, or what is the matter? Appreciate your paper more than any of half a dozen I am receiving, and don't want to miss any copies. Will you please investigate?

Yours truly,
Missouri. A. B. K.

Gentlemen:—It is getting late in the season and we wish to discontinue the advertisements which we carry in your paper. We would say that the advertisements which we have carried in your paper have brought us good results, and we feel that the money so expended was well invested.

Yours truly,
Standard Thermo Company,
S. C. LORD, President.

Kindly discontinue my advertisement in the classified ad. section of HORTICULTURE, rendering bill to date.

Yours is a very good advertising medium. We have rid ourselves of practically all our surplus stock, and are therefore obliged to discontinue.

Very truly yours,
Mass. A.

"HORTICULTURE is grand. Keep it up."
San Jose, Cal. B.

Dear Horticulture:

We can't keep house without you, and you can't travel without money, therefore I enclose money order to keep you coming for 1915.

Yours admiringly,
Iowa. E. S.

Here is my dollar for the 1915 trip with HORTICULTURE. HORTICULTURE is all right.
New York. P. F.

Enclosed is post office order to pay for HORTICULTURE two years more. I like HORTICULTURE very much and hope to read it many more years.
N. Y. S. F.

One of the many good features of HORTICULTURE is, that those who contribute to its columns always "say something" when they write. I take this opportunity to offer sincere congratulations. "May your shadow never grow less."

Sincerely yours,
New York. P. F.

Editor Horticulture:

Dear Sir — Enclosed please find \$1.00, my subscription to your valuable paper for another year. Cannot do without it.

Conn. O. A. H.

"HORTICULTURE is the finest paper under the sun."
New Jersey. A.

Dear Sirs — Enclosed please find one dollar for another year of the HORTICULTURE. My time is not up yet, but it won't be long. All I can say about your paper is that it is the best of its kind, and I read them all.
R. I. J. B.

Enclosed are two dollars in payment for your very valuable paper. I find its contents timely and instructive.

Sincerely,
Conn. C. S.

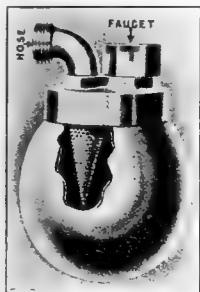
Gentlemen:—My paper did not arrive as usual on Saturday. It is all I have to look forward to each week; do not allow that to fail me. Kindly send one along at express rate.

Yours truly,
N. J. G. W.

Gentlemen:—Will you please discontinue my classified gladioli advertisement now running in your paper? I am sold out of nearly all varieties, especially those called for by your readers, and hope to have as good success with you next year.

Yours truly,
Mass. R. W. S.

When Writing to Advertisers Please Mention Horticulture



BARRIE SOAP SPRAYER

The Indestructible Sprayer with NO MOVING PARTS

It will apply any soap base insecticide, and will reduce the labor and cost of spraying in any greenhouse or garden **FULLY SIXTY PER CENT.** It offers absolute control of aphids, beetle, spider and plant lice of all kinds, and is of great benefit with thrips and scale.

Made of Brass, Nickel-Plated, Lasts Forever

PRICE THREE DOLLARS—Send for Circular

(Seed Houses should Write for Discount.)

GEORGE N. BARRIE, Brookline, Mass.



NIKOTEEN For Spraying
APHIS PUNK For Fumigating

ASK YOUR DEALER FOR IT.

NICOTINE MFG. CO. ST. LOUIS, MO.

Personal

Alexander G. Bryce, formerly on the Arthur E. Davis estate, Dover, Mass., is now superintendent for Mr. F. H. Beebe on his place at Falmouth, Mass.

Ex-Representative John G. Tilden was elected Secretary of the Park Commission of the City of Malden at the organization of the Board on Monday evening, May 3. Mr. Tilden's selection to the Park Board meets with general approval of the horticultural profession.

Roy L. Paine, of Holbrook, Mass., a student at the Ohio State University, recently made a tour of the middle western states for the purpose of studying the greenhouse ranges and fruit orchards of that section. Mr. Pierce will graduate from the general horticulture course at the university in June, and will then return to Holbrook, where he will enter business with his father, Charles L. Pierce.

The countless friends of Fred Lautenschlager who sells Kroeschell boilers from the Atlantic to the Pacific will all be interested in the news that on April 30 he became the surprised and happy father of a pair of twins—young ladies both. We don't make a custom of recording this particular class of family events, but those of our readers whose performances in this line have not been chronicled will, we trust, pardon the apparent discrimination in this case which all will agree is exceptional for a beginner. We here promise that all of the craft who may successfully emulate Fred's notable example, will be accorded full recognition and wide publicity in the columns of HORTICULTURE.

PATENTS GRANTED.

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Respectfully,

N. Y.

C. C.



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The marriage of Frank Kyrk to Miss Edna Gauzmiller will take place on June 22.

New York—The Cosmopolitan Garden, which has been opened in the Stern Bros. building in West 23rd street will include a large greenhouse on the third floor with cut flower and plant department.

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Mass.

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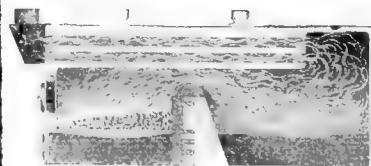
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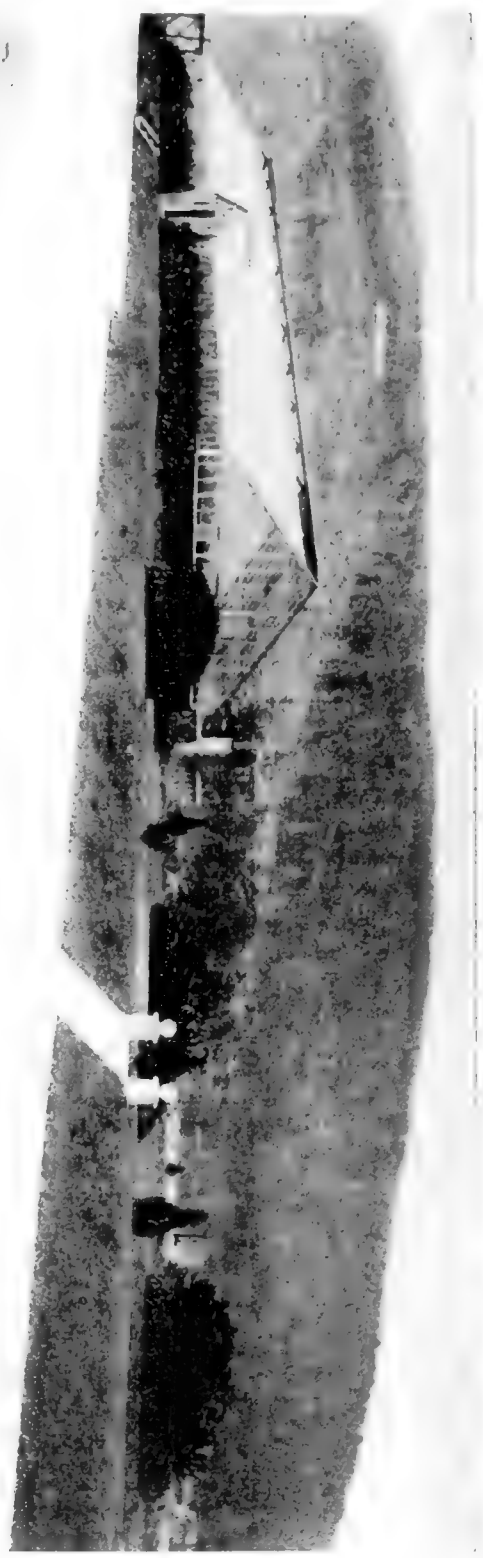
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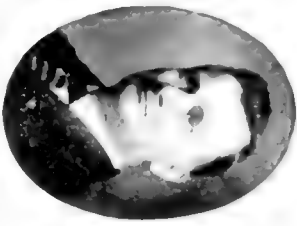
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Vol. XXI
No. 20
MAY 15
1915

HORTICULTURE



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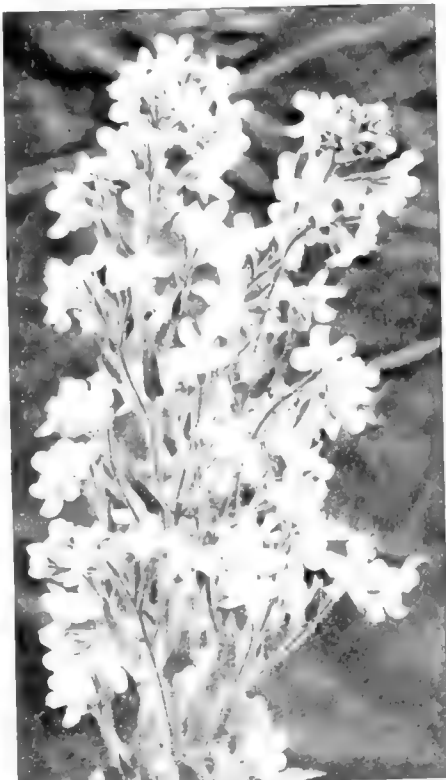
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NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil."—Pope.

Asters

Aster growers should not be in too great haste to plant out. Raw cold winds, I believe, are the principal cause of turning vigorous little asters into a lot of yellow, blighted or stunted plants. Indoor-grown plants should first be well weaned to open-air conditions. Potted plants or those once transplanted may be set out on the sunniest day, but for the planting of those coming directly from the seed bed a warm but somewhat cloudy day should be chosen. There is no doubt that the finest asters are raised on light, sandy soils, deeply plowed or dug and quite heavily fertilized with rough barnyard manure the year previous. I like to have the land well plowed, manured and thoroughly prepared in October or November. A certain amount of plant food can be added by a good sprinkling of bone dust and wood ashes which should be thoroughly incorporated with the soil. It will always be more profitable to fertilize one piece of ground well than a larger piece imperfectly.

Young Primulas

All primulas like a cool place and are benefited by a little shade. A cold frame is the ideal location for them. During the summer and until the first of September they are better when grown under shade made of ordinary building laths, which can be put on as the sun begins to get strong in the morning, and taken off late in the afternoon when it is on the wane. Where they are in 2-inch pots and fairly well rooted they should have a shift into 3-inch pots. Give them a compost of fibrous loam four parts, leaf mold that is not too old one part, well rotted cow manure one part, and a little sand. Keep shifting into larger pots until they are in their flowering sizes which will be all the way from 4-inch up to 6-inch. Use fibrous loam three parts, cow manure and leaf mold one part each.

Hardy Stock for Late Spring Sales

We should not overlook the ordering and potting up of a good number of vines, such as *Ampelopsis Veitchii*, or Boston ivy, *Clematis Jackmanni* and *paniculata*, honeysuckles and climbing roses. While these head the list there are quite a number of others for which there is often a call. Most of us have a demand for hardy plants, and they are as profitable as anything we could possibly handle. An assortment of hardy roses, herbaceous perennials, shrubs, trees and other nursery stock in pots for planting work late in the season is always

advisable. There is no better time than the present to sow hardy perennials. Seeds can be sown in a cold frame or in the open ground on a well prepared and mellow surface. Make rows three or four inches apart and cover the seed about three times their size with soil.

Orchids

As the season advances this department will require more air. Consequently syringings overhead once or twice a day will be necessary. Air should be left on during damp weather to prevent the young growths from rotting. Ventilation must be carefully regulated, avoiding cold droughts and sudden changes. Varieties such as *Cattleya Trianae*, *Percivaliana* and others starting action in poor material, should be repotted. *Coeogyne cristata* will now have finished blooming and will soon start into new growth and root action. A free, cool atmosphere with spraying overhead once or twice a day and all the sun during winter is necessary to ensure good flowers. During their growing season a high degree of moisture must be maintained, the amount and frequency of the watering and sprinkling of the floors, etc., will depend largely upon the weather.

Ramblers for Memorial Day

It is a good plan to force these roses so they will be out four or five days ahead, which will allow them to be moved into cooler quarters to harden them up. Roses that have been held back for this date should be brought into heat now. First allow from 60 to 65 degrees at night and every morning if the weather is at all clear give a good syringing to thoroughly dampen the foliage. They will want plenty of water at the roots. As soon as it is seen that the buds are breaking lower the temperature to 58 degrees at night, and this may be maintained until the flower buds appear. When they become covered with plenty of foliage and the buds just peeping out you can improve them by giving weekly doses of manure water. Elevate good specimens on pots. Do not allow the plants to stand too close together. It should be borne in mind that attacks from mildew or green fly are likely to happen and careful attention to details with regard to fumigating and ventilating will have to be given.

Watering

At this time of the year stock, especially that in pots, is very liable to suffer from the want of water. This should be guarded against as it is sure to put the stock in bad condition if allowed to happen too often.

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A discredited hedge plant

Some advices from various places once more expose the utter unworthiness of the so-called California privet as a hedgeplant in those sections of this country where garden hedges are most needed and sought. About Boston, people generally have learned to be cautious about placing any dependence upon this treacherous ligustrum and more and more we see *Berberis Thunbergii* given the preference where a permanently reliable, ornamental hedge is desired. The cheapness of the privet, due to its simple and rapid

growth, no doubt influenced many in the nursery trade to propagate it and push its sales with the public but, in the long run, nothing is gained by this or by any other course which, when followed, is pretty sure to effectually squelch horticultural zeal on the part of the home maker as well as to weaken and destroy confidence in the men who advise or condone the use of such material in latitudes and exposures where *Berberis* is doomed to succumb.

A situation to be faced

The New York florists—and also those of Boston in a lesser degree—feel keenly the loss of the steamer flower trade this season. This trade had in recent years reached a volume in money value which was not generally realized. The flowers used were of the highest quality as a rule and the prices realized were usually top-notch. The loss of this trade will affect more or less directly every department of commercial floriculture. How long the situation will continue thus, no man can predict but it will probably be years—perhaps many years—before old conditions in this respect are fully restored. In the meantime, however, it will not do for those who suffer from this unfortunate situation to just sit down and lament. What can be advised or what course laid out which will foster and bring about a wider use of flowers right here? People will stay on American soil this year as they never have done before. What practical use can we make of this fact? Pastimes they must and will have and anything that the flower growers, flower dealers and kindred industries can devise to promote the use of fresh flowers at all occasions of any social importance, will be effort well expended. It is an unprecedented emergency which now confronts the florist. Don't forget that "God helps those who help themselves."

Backyard gardening

It is a source of much satisfaction to learn through Patrick O'Mara of the Peter Henderson seed house that, notwithstanding the many set-backs which the seed trade in common with most other lines of industry has to face this season, the demand for vegetable seeds for planting in the home garden shows a very remarkable growth. This we are told is most pronounced in the call for the smaller and lower-priced collections than in the higher priced sets and specialties. This form of backyard gardening has been growing quite steadily within the last few years in every section of the country, as most seedsmen will, we believe, be ready to testify, but our people have a long way to go yet before they can at all compare with the people of most European countries in this production of good food for the home table. When they have come to a fuller realization of the profitable use to which the now vacant land can thus be put, then they will have made a most substantial progress toward the solution of that disturbing problem, "the high cost of living." Small fruits as well as vegetables should have a much more general planting than is yet the case. We have no doubt that if the nurserymen and seedsmen of any live town or village would undertake a personally conducted campaign of direct appeal and advice to every family on the advantages and delights which appertain to the growing, harvesting and eating of fruits and vegetables in the development of which each member of the family has had a part, the normal sale of seeds and bushes would soon be many times multiplied. And that is just what we need.

Theories Upset

Although the past winter may have upset some theories regarding the hardiness of many plants we cannot regard the results of our experiences as conclusive. Weather conditions during late winter were impartial as to the choice of subjects; natives as well as "foreign born" suffered about equally. A condition rather than a theory upset our calculations and a condition always liable to occur, no matter how much in the way of plant breeding and selection for hardier types. The acclimatization of plants from seed by natural as well as artificial means will still go on.

I wish to record some experiences I have had during recent years in plant breeding for a hardier type among *Taxus*—yew. Although most of the kind we have been working on are recognized by the trade as species, I do not believe there is more than three species, and if any one set up a theory that there was only one, I think I should support him without much question,—which is about the same thing as saying that *Taxus* is probably a monotypic genus.

We have been raising yews from seed for ten or twelve years. We have done no artificial, except to proximate the plants; nature has done what was done. We saved seed of each carefully; kept the seedlings apart expecting the characteristics of each type to reproduce itself, with more or less distinctness. As the plants year by year developed we found a convergence on one type, and that was *baccata*, which to me appears evidence that the yew is monotypic.

We used the Irish yew; the English yew in various forms and with as many distinctive names; both forms of the Japan yew *T. cuspidata* and the China form of *cuspidata*—known as *T. Sieboldii*. *T. canadensis* was present in the near vicinity and could easily have effect.

We use both green and golden-leaved and found golden-leaved varieties quite common among all the seedlings—to me some evidence of the uniformity of type.

Whatever we have used it apparently made no difference, and what we got in no case resembled its parent. The most valuable result of all is in the way of acclimatization,—all are hardy.

J. D. Hatfield

Wellesley, Mass.

Winter Killing

I was much interested in Mr. Wilson's article in your issue of May 1. You in the East will now know how to pity us in the West. With us the winter drouth is often terrible. So we cannot raise rhododendrons, azaleas, kalmias or any of the broad-leaved evergreens. The only thing in that line we can raise is the *Berberis repens* or creeping barberry. This is a prolific bloomer—flowers golden and very fragrant—fruit edible. It is often called the Oregon grape. But in some winters in full exposure this will turn. In beautiful clear weather in February I have watched grape vines kill back an inch a day. Prof. Hansen crossed Shafer's Colossal with a Manitoba red raspberry which does well in the north, and is very hardy in Minnesota, but it kills to the ground in Nebraska except this winter, when you gave us a New England winter, and we loaned you for a short time a section of Nebraska winter just to let you see how you liked it.

C. S. Harris

York, Neb.

SOME ROSE PARENTAGES.

Editor HORTICULTURE:

Can anyone tell me positively whether the rose Mrs. George Shawyer is a T. or H. T.? Authorities seem to differ on this question. E. E.

The rose "Mrs. George Shawyer" (Lowe & Shawyer 1911) was put out by the originators as an H. T. Of course you may remember they made distributing arrangements for America with Mr. Totty. As an outdoor plant it has the characteristics of an H. T., but your question is likely to arouse considerable debate, because frankly I do not believe any of us in the rose business know where we are at. My opinion is the Victor Verdier (Lacharme 1860) should be classed as an H. T., and if we start there and all agree to that start we probably could clear the field.

Then LaFrance, Capt. Christy and K. A. Victoria were all put out as H. P's, but we agree that they are H. T. Then when we come to Frau Karl Druschki (P. Lambert 1901), Mr. Lambert describes it as a "Remontant Rose with H. T. characteristics," but after all said and done we come to Hugh Dickson and J. B. Clark, both of them Lord Bacon X Gruss an Teplitz, and we call one an H. P. and the other (J. B. Clark) an H. T., and I was assured that the seed of both these roses came from the same hep.

Thos. N. Cook.

A POSSIBLE NEW HEDGE PLANT.

At Tachien-lu on the borders of Tibet, at about eight thousand feet



VIEW IN SPRING FLOWER SHOW
Palace of Horticulture, Panama-Pacific Exposition

above the sea, Mr. Wilson found hedges from 6 to 8 feet high and so thick and spiny that a yak, an animal as strong as an ox, could not break through them. The plant of which these hedges were made, *Ribes alpestre*, var. *commune*, is now in flower in the collection of Chinese shrubs on Bussey Hill. This Gooseberry has grown rapidly in the Arboretum and appears to be perfectly hardy. There is little to recommend it as a garden shrub for the flowers are small and inconspicuous, and the acid fruit is covered with prickles and has little beauty, but as a hedge plant it may prove valuable in the cold parts of the country.—*Arnold Arboretum Bulletin*.

A BROOKLINE GARDEN.

Our title page this week presents a very comprehensive view in one of the smaller elaborate garden estates in the vicinity of Boston that of F. C. Fletcher at Brookline, Mass. The grounds are arranged to give the impression of extensiveness and to accommodate as many and varied features as possible. The pergolas which appear in the centre will soon be almost hidden by a luxuriant growth of rambler roses. The greenhouse while not large is a model in its way and incorporates all the best ideas of the Lord & Burnham Company in really serviceable modern construction. Warren Manning laid out the grounds.

CLUBS AND SOCIETIES

NEW YORK FLORISTS' CLUB.

The annual concert that E. H. Wilson, from the Arnold Arboretum, Boston, would entertain the club with a talk on the gardens of Japan, illustrated by colored stereopticon views taken in the Mikado's country, brought out a crowd which well filled the club room. Previous to Mr. Wilson's appearance, however, an unexpected incident occurred—a visit and address by Miss Jarvis, of Philadelphia, the lady who is said to have started "Mothers' Day." Miss Jarvis undertook to upbraid the florists for their interference and efforts to popularize flowers other than the white carnation for exploitation on Mothers' Day. Judging from the facial expression and subsequent comments of her audience one could but think of the line in the old song in which Mrs. O'Flaherty figured. "It's lucky for you that you're not a man!" The inopportune effort was, however, courteously received and Max Schling and J. B. Nugent, both of whom took the floor in rejoinder to the lady's plea, while decidedly forceful in their expressions, made an excellent record for gallant self-control.

R. Vincent, Jr., of White Marsh, Md., gave a little talk on the subject of the birth of another daughter to the S. A. F., the American Dahlia Society, which he had helped to organize that afternoon, and made a speech that was both humorous and eloquent for his favorite flower.

J. K. M. L. Farquhar, who had accompanied the lecturer of the evening from Boston as accredited body-guard, was then called upon by President Bunyard for an introductory word regarding Mr. Wilson and his work, which Mr. Farquhar did in a very witty and appropriate manner, and was followed by T. A. Havemeyer, who spoke briefly but enthusiastically of his pleasure at the opportunity to hear Mr. Wilson.

Mr. Wilson was then introduced, the lights were turned down and for an hour the club members were entertained with a series of beautiful views of Japanese gardens and natural scenery, pleasingly described in a manner which left no doubt of how close to Mr. Wilson's heart were the scenes he portrayed. He told of the great holidays of the cherries, of which the Japanese have no less than seventy varieties under cultivation, and showed one famous specimen of *Prunus pendula* known to be over 400 years old. The glory of the wisteria bloom was impressively shown and Mr. Wilson said that the species grown in Japan should do equally well in this country under intelligent cultivation, of which a very liberal supply of water is a very important factor. The Japan people make gardening a hobby and regard it as man's highest profession, but they had never taken any particular interest in the lily until they began to realize its commercial possibilities. One reason for the unhealthy character of the auratum and other lily bulbs as

received from Japan is the insatiable demand in this country for large-sized bulbs and the cultural methods pursued in order to gratify this call.

There was a fair-sized display of plants and flowers on the exhibition tables. Awards were bestowed as follows: Award of merit of culture to collection of hardy herbaceous flowers from A. N. Pierson, Cromwell, Conn.; pansies and bedding plants from Charles Hunt, Staten Island, English daisies from Charles Schienlg, Elmhurst, N. Y. The light pink carnation Baroness de Brenner, an introduction by Stuart Low & Co., of London, England, was shown by S. J. Batchelor, of Mamaroneck, and scored 86 points, thus securing a preliminary certificate. Van Waveren & Son showed some handsome Darwin tulips and new narcissi.

PACIFIC COAST HORTICULTURAL SOCIETY.

The Pacific Coast Horticultural Society held its regular monthly meeting on May 1, with a large attendance. The session was largely confined to routine business. Daniel MacRorie gave a detailed report on preparations for the coming convention of the Society of American Florists, putting special emphasis on the progress being made at the Convention Garden in Golden Gate Park. Plans were also discussed regarding various other coming events, including the Fall Flower Show, the May Flower Show, which is in progress this week, and a sweet pea show to be held in June. Representing the exhibition committee, H. Plath urged the co-operation of the members of the society in participating in these shows. The resignation of J. Jacques as treasurer was presented and accepted. The vacancy was filled by the nomination of Daniel Raymond for the office. Awards were made for the following exhibits: General McArthur roses, by E. Gill; Baby Standard Thyme citriodora by Frank Pelicano; *Primula obconica* by H. Plath, and *Adiantum Farleyense* by the MacRorie-McLaren Co.

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

At the next club meeting on May 15, in Horticultural Hall, Prof. A. H. Nehrling, of the Massachusetts Agricultural College, Amherst, will speak on "Horticultural Education," a subject which should appeal to all classes of our members. There will be some fine exhibits as usual. The club will hold a field day at the Arnold Arboretum on Friday, May 21. Members and friends are asked to meet at the Forest Hills entrance at 2.30 o'clock. To reach the Forest Hills gate take elevated, steam or surface cars to Forest Hills. The entrance is only five minutes' walk from the elevated and steam railroad stations. A large variety of trees and shrubs will be in fine condition on May 21 and the field day should prove a most profitable one.

W. N. CRAIG, Sec'y.

ROCHESTER FLORISTS' ASSOCIATION.

The Rochester Florists' Association held their regular meeting on May 10th at their rooms, No. 95 Main street East. President Charles Vick presiding. It was reported that the Syracuse Florists' Club will be here next Sunday, May 16th, to see the lilac display at the parks, etc. They will be met by a committee of Rochester florists, who will take the visitors about. On May 22nd, the Ontario Horticultural Society of Canada will visit Rochester to inspect the parks and floral Rochester, and will also be entertained by a committee of Rochester florists.

A committee consisting of Messrs. Dunbar, Dildine and King was appointed to draw up resolutions on the sad death of J. W. Cragg, who passed away Sunday May 9th. The resolutions follow:

Whereas, It has pleased the Author of Life to call from this earth our esteemed friend and member, Mr. J. W. Cragg; therefore, be it

Resolved by the Rochester Florists' Association in meeting assembled, that—

1st because of his faithfulness as a member, and because of his nobility of character which endeared him to every one with whom he came in contact, we experience a great loss in his death;

2nd that we extend to his family our deepest sympathy;

3rd that a copy of these resolutions be spread upon the permanent records of this Association.

After regular routine business, E. F. Rowe of The J. H. MacFarland Company, gave a very interesting talk on "Advertising the Retail Florist." His remarks were full of good sound logic, and enthused his hearers. He paid a very high compliment to Rochester as a beautiful city, to the florists of Rochester for their share in its beautification, etc., and the local flower shows. He spoke of the co-operative advertising here and in other cities, also the far-reaching effect of publicity along the florists' lines; further, the value of catalogues and follow-ups. Advertising, like medicine, he said, should not be taken in the dark. The field should be well looked over, to see what the demand is, and then gone after. Mr. Rowe advised the florists to make an effort to interest owners of commercial buildings to put up window boxes, etc., this idea having been successful in other cities. After adjournment a very palatable luncheon was served by Nathan Graves and his hustling committee. They always see that the boys' stomachs are well filled.

One of the very pleasing features of the Rochester Florists' Association meetings of late, has been the musical program, under the excellent care of George Boucher, chairman of the musical committee. Too much cannot be said of the efforts of this committee, and what they are doing to enliven the meetings. As evidence of this, all of the members are taking an active part in musical numbers, and it is bringing about an atmosphere of geniality, which is adding very materially to the entertainment at each meeting.

H. E. BATES, Vice-Pres.

TEXAS STATE FLORISTS' ASSOCIATION.

The second annual convention of this association will be held at Fort Worth on July 6 and 7, 1915. The program is as follows:

First Day—Tuesday, July 6, 9 A. M.

Meeting called to order by Vice-President Baker. Opening Invocation. L. J. Tackett, Pres. of Ft. Worth Florist Club, welcomes the convention to Ft. Worth.

Address of Welcome in behalf of the City of Ft. Worth, by the mayor. Response by H. B. Beck, Austin, Tex. President Robert C. Kerr, takes the chair.

Patrick Welch, president of the S. A. F. & O. H. Address on "Co-operation of the S. A. F. and The Southern Florists."

Dan. MacRorie, vice-president of the S. A. F. & O. H. "What we may expect at the San Francisco Convention."

August Poehlmann, member of the board of directors of S. A. F. "What the Big Growers Think of the South as a Market."

"The Florists' Part in the Texas Arboretum," by J. S. Kerr, Sherman, Tex.

"The Possibilities of an Experimental Range of Glass at College Station," by E. J. Kyle, College Station, Tex.

"How I am Growing Carnations Successfully in South Texas," by Mrs. E. O. Wessinger, Beaumont, Texas.

"The Effect of the War on the Southern Florists," by H. O. Hanna, Sherman, Tex.

Round Table Discussion—"The Retail Flower Store and its Management and some Methods of Saving Time and Materials," by H. Greve, Dallas, Texas.

First Day—P. M.

Report of the Secretary-Treasurer—Appointing of committees. Reports of the presidents of the Texas Local Florists' Clubs. Report and recommendation of Tom Wolf, chairman of the Flower Show Committee.

First Evening.

Dinner at 8.30 P. M. in honor of the president, by local florists.

Second Day—Wednesday, July 7, 9 A. M.

Invitation for Next Convention; Invitation for Annual Flower Show; Election of Officers; Report of Standing Committees; Report of Special Committees; Unfinished Business; New Business; Adjournment.

Second Day—P. M.

Entertainment by local florists.

CHICAGO FLORISTS' CLUB.

The Chicago Florists' Club held its regular monthly meeting Thursday, May 6, with a large number in attendance. The chief event of the evening was the lecture on Business Building and Salesmanship. The arguments struck home, and so great was the interest shown that many pronounced it to be the most successful meeting in the history of the club. The speaker was G. H. Fogleman of the Sheldon School, who emphasized the importance of perfect harmony between the four parts of any business, viz., financial, executive, producing and selling. He likened the parts of a business to a chain, which would be as weak as the weakest part and said each employee was an important link.

The death of a member, John Zeck, was reported and a committee was appointed to draw up resolutions regarding the same. The following were elected to membership: P. M. Palez, Little Rock, Ark.; P. J. Foley, Jr., 31st street and Spaulding avenue, Chicago; H. O. S. Nichols, 1323 E. 57th street, Chicago; C. J. Michelson, 172 N. Wabash avenue, Chicago; F. S. Webb, 30 E. Randolph street, Chicago.

The proposition of holding a fall flower show was discussed at length and will be taken up again at the next meeting. Sentiment is generally in favor of the show.

AMERICAN DAHLIA SOCIETY.

The busy campaign of R. Vincent, Jr., during the past few weeks in the interest of a national dahlia society culminated in a well-attended and real-



R. VINCENT, JR.

ly enthusiastic meeting at the Grand Hotel, New York City, Monday afternoon May 10th. Richard Vincent, Jr., of White Marsh, Md., presided and Jos. Lane of the Garden Magazine, Garden City, N. Y. was secretary. The secretary has promised to send us an official report of the meeting and as his report will no doubt appear in our issue of next week we shall not undertake to forestall it with any details now. Full organization was effected, constitution and by-laws adopted and many ringing speeches eulogistic of the dahlia and proclaiming the need of nomenclature revision and classification were made. Altogether it was a busy and hustling afternoon and the American Dahlia Society should grow to a lusty youth if the circumstances of its birth count for anything.

NEW JERSEY FLORICULTURAL SOCIETY.

A regular monthly meeting of the New Jersey Floricultural Society was held in Orange on May 3rd, 1915. There was a fine turn-out of members. The chief topic was the preparation of the schedule for the fall show. The society wishes to thank all those who donated prizes. We feel sure that the show will be a success. Schedules will be in the hands of the secretary by

June 1st and will be mailed to anyone on application. Awards were made as follows: Peter Hauck, Jr., gard. Max Schneider, lilies, 80 points; carnations, 75 points; sweet peas, 55 points; calceolaria hybrida, 65 points. Mrs. Wm. Barr, gard. Emfl Panuska, Lantana elegantissima, 55 points.

GEO. W. STRANGE, Sec'y.

CLUB AND SOCIETY NOTES.

The St. Louis Retail Florists' Association will hold a regular monthly meeting on May 17, at the Washington Hotel. This will be the last meeting until fall.

The second meeting of this month of the Missouri Botanical Garden Students' Club will take place Friday night, May 21. Herman Von Schrenk will lecture on "Preservation of Woods."

The regular monthly meeting of the Florists' Club of Washington, D. C., scheduled for last week, has been postponed. A heavy rainstorm prevented many of the members from turning out. All pending matters will come up at the June meeting when a special entertainment will also be held.

The St. Louis County Growers' Association held their annual meeting on Wednesday, May 5. Officers elected were as follows: Fred W. Ude, Jr., president; Wm. Edwards, vice-pres.; Hugo Gross, treasurer; Joseph Deutchmann, secretary. A long discussion took place on the season's business and prices.

The new rose Hoosier Beauty raised by F. Dorner & Sons Co., of Lafayette, Ind., has received the gold medal of the National Rose Society of England at a recent exhibition in London. This is certainly a high achievement for an American rose and in addition the British horticultural journals mention the rose in terms of superlative praise.

MAKE A BREAK FOR THE BEDDING PLANTS

They will "sell like hot cakes" for the next two weeks.

See the Ads of Pansies, Geraniums, Vincas, Lobelias and other good stock in this paper

HORTICULTURE INDISPENSABLE

The following examples of many approving letters received at the office of HORTICULTURE during the past few weeks, show why HORTICULTURE is so valuable as an advertising medium. Intensive circulation is HORTICULTURE'S best quality and practically every reader is a possible customer for the advertiser.

Gentlemen:—Last week's HORTICULTURE is not received. Have you scratched me off your list, or what is the matter? Appreciate your paper more than any of half a dozen I am receiving, and don't want to miss any copies. Will you please investigate?

Yours truly,
Missouri. A. B. K.

Gentlemen:—It is getting late in the season and we wish to discontinue the advertisements which we carry in your paper. We would say that the advertisements which we have carried in your paper have brought us good results, and we feel that the money so expended was well invested.

Yours truly,
Standard Thermo Company,
S. C. LORD, President.

Kindly discontinue my advertisement in the classified advertisement section of HORTICULTURE, rendering bill to date.

Yours is a very good advertising medium. We have rid ourselves of practically all our surplus stock, and are therefore obliged to discontinue.

Very truly yours,
Mass. A.

"HORTICULTURE is grand. Keep it up."
San Jose, Cal. B.

Editor Horticulture:

Dear Sir — Enclosed please find \$1.00, my subscription to your valuable paper for another year. Cannot do without it.
Conn. O. A. H.

Dear Horticulture:

We can't keep house without you, and you can't travel without money, therefore I enclose money order to keep you coming for 1915.

Yours admirably,
Iowa. E. S.

Here is my dollar for the 1915 trip with HORTICULTURE. HORTICULTURE is all right.
New York. P. F.

Enclosed is post office order to pay for HORTICULTURE two years more. I like HORTICULTURE very much and hope to read it many more years.
S. F.

N. Y.

One of the many good features of HORTICULTURE is, that those who contribute to its columns always "say something" when they write. I take this opportunity to offer sincere congratulations. "May your shadow never grow less."

Sincerely yours,
New York. P. F.

Editor HORTICULTURE:

Dear Sir:—I have been a subscriber to HORTICULTURE only about five weeks. I find in HORTICULTURE a paper of much importance. I hope to be a reader of it for the long future.

Mass. A. B.

"HORTICULTURE is the finest paper under the sun."
New Jersey. A.

Editor HORTICULTURE:

Dear Sir: — I have always been deeply interested in the letters of contributors in your paper, and find them very helpful.

Respectfully,
N. Y. C. C.

Dear Sirs — Enclosed please find one dollar for another year of the HORTICULTURE. My time is not up yet, but it won't be long. All I can say about your paper is that it is the best of its kind, and I read them all.
R. I. J. B.

Enclosed are two dollars in payment for your very valuable paper. I find its contents timely and instructive.

Sincerely,
Conn. C. S.

Gentlemen: — My paper did not arrive as usual on Saturday. It is all I have to look forward to each week; do not allow that to fail me. Kindly send one along at express rate.
Yours truly,

N. J. G. W.

Gentlemen:—Will you please discontinue my classified gladioli advertisement now running in your paper? I am sold out of nearly all varieties, especially those called for by your readers, and hope to have as good success with you next year.

Yours truly,
Mass. R. W. S.

When Writing to Advertisers Please Mention Horticulture

COMING EVENTS.

Shows.

Lewiston, Me., May 28.—Spring Exhibition of Lewiston and Auburn Gardeners' Union.

San Francisco, Cal., June 4.—American Sweet Pea Society's special show in connection with the Exposition.

Newport, R. I., July 8-9.—Annual show and meeting of American Sweet Pea Society, in connection with Newport Garden Assoc. and Newport Hort. Soc.

Lenox, Mass., July 27-28.—Summer exhibition of Lenox Horticultural Society.

Newport, R. I., Aug. 12, 13, 14.—Mid-summer exhibition of Newport Garden Club and Newport Horticultural Society.

Lewiston, Me., Aug. 27-28.—Fall exhibition in Lewiston City Hall of Lewiston and Auburn Gardeners' Union. Chas. S. Allen, President, Auburn, Me.; Mrs. Geo. A. Whitney, Secretary, 151 Winter St., Auburn, Me. Meetings first Friday in each month.

Orange, N. J., Oct. 4.—Tenth Annual Dahlia, Fruit, Gladioli and Vegetable Show of N. J. Floricultural Society. Geo. W. Strange, Sec., 84 Jackson St.

Poughkeepsie, N. Y., Oct. 28-29.—Annual flower show of Dutchess County Horticultural Society. N. Harold Cottam, Sec., Wappingers Falls.

New York, N. Y., Nov. 3, 4, 5.—Annual Chrysanthemum Show of the American Institute, Engineering Societies Building.

New York, N. Y., Nov. 4-7.—Annual Autumn exhibition of Hort. Soc. of New York, Museum of Natural History.

Cleveland, O., Nov. 10-14.—Annual show and meeting of Chrysanthemum Society of America. Chas. W. Johnson, Sec., 2226 Fairfax Ave., Morgan Park, Ill.

Meetings.

Detroit, Mich., May 17.—Detroit Florists' Club, Bomb Floral Hall, 153 Bates St., R. H. Wells, Sec., 827 Canfield Ave.

Montreal, Que., May 17.—Montreal Gardeners' and Florists' Club, Montreal Floral Exchange, 140 Mansfield St. W. H. Horobin, Sec., 283 Marquette St.

Boston, Mass., May 18.—Gardeners' and Florists' Club of Boston, Horticultural Hall. W. N. Craig, Sec., Faulkner Farm, Brookline, Mass.

Lake Geneva, Wis., May 18.—Lake Geneva Gardeners' and Foremen's Association, Horticultural Hall. Wm. H. Griffiths, Sec., Lake Geneva.

Minneapolis, Minn., May 18.—Minnesota State Florists' Association. Gust. Malmquist, Sec., Fair Oaks, Minneapolis, Minn.

PANSIES

SUPERB STRAIN—IN BUD AND BLOOM

\$1.25 per 100; \$10.00 per 1000

EXTRA LARGE PLANTS

\$15.00 per 1000

GERANIUMS. Out of 3½-in. pots, \$7.00 per 100.

VINCA VAR. Out of 4-in. pots, \$10 and \$12.50 per 100.

DBL. LOBELIA and AGERATUM BLUE. Out of 3½-in. pots, \$6.00 per 100.

CASH WITH ORDER
BY EXPRESS ONLY

Leonard Cousins, Jr.

CONCORD JUNCTION, MASS.

HYDRANGEAS

We have a magnificent lot of large plants grown in tubs and half-barrels for

JULY AND AUGUST FLOWERING

We have made a specialty of hydrangeas for years, and our plants have never been finer than they are this year. They are well budded, and will begin to show color the end of June, and will be in perfection during July and August—when they are most in demand.

Hydrangea Otaksa, the standard pink variety, and the new French hydrangeas—Avalanche, Fraicheur, La Lorraine, Mme. Maurice Hamar, Mme. E. Mouillere and Mlle. Renee Gaillard.

Strong plants in tubs, \$2.00 and \$3.00 each—according to size. Otaksa, very large specimens in half-barrels, \$7.50, \$10.00 and \$12.50 each—according to size.

DRACENA INDIVISA.

Large plants for centers of vases, 50c., 75c., \$1.00 and \$1.50 each—according to size.

CROTONS.

Assorted varieties for bedding, in 3½ and 4 inch pots, \$15.00 and \$25.00 per 100.

VINCA MAJOR VARIEGATA.

We have a fine stock of this in strong, heavy plants in 4 inch pots at \$10.00 and \$12.00 per 100—according to size.

ENGLISH IVY.

Strong plants, 4 inch pots, \$10.00 and \$12.00 per 100—according to size.

Nephrolepis Teddy, Jr., 8 inch pots, \$1.00 each; 4 inch, 15c. each; 2½ inch, \$6.00 per 100.

Nephrolepis elegantissima compacta, 3½ inch pots, 25c. each; 2½ inch, \$6.00 per 100. Nephrolepis elegantissima, 8 inch pots, \$1.00 each; 2½ inch, \$6.00 per 100.

Nephrolepis muscosa and Smithii, 3½ inch pots, 25c. each; 5 inch, 50c. each. Nephrolepis Harrisii, 6 inch pots, 50c. each; 12 inch, very large specimens, \$4.00 and \$5.00 each.

Cibotium Schiedeii, large plants, 10 inch pots, \$3.50 each.

Table Ferns, assorted varieties, nice plants, 2½ inch pots, \$4.00 per 100; extra size, 3½ inch pots, \$15.00 per 100.

WINTER-FLOWERING ROSES.

We have a particularly fine stock of Ophelia, Francis Scott Key, and Prince E. C. d'Arenberg—strong plants, own root and grafted; also a fine lot of grafted roses in the standard varieties, like Killarney Brilliant, Mrs. Aaron Ward, Sunburst, Mrs. Geo. Sawyer, Mme. Edmond Rostand, etc., etc. We will be glad to quote prices on application.

F. R. PIERSON CO., Tarrytown, New York

Toronto, Ont., May 18.—Gardeners' and Florists' of Ontario, St. George's Hall, Elm St. Geo. Douglas, Sec., 189 Merton St., Toronto.

Newark, N. J., May 20.—Essex County Florists' Club, Kreuger Auditorium, 25 Belmont Ave. John Crossley, Sec., 37 Belleville Ave.

New Orleans, La., May 20.—New Orleans Horticultural Society, Association of Commerce Bldg. C. R. Panter, Sec., 2320 Calhoun St., New Orleans.

Tacoma, Wash., May 20.—Tacoma Florists' Association, Maccabee Hall, 11th and C Sts. F. H. Atchison, Sec., South 50th and East F St., Tacoma.

Dobbs Ferry, N. Y., May 22.—Dobbs Ferry Horticultural Society, Odd Fellows' Hall. B. Harms, Sec.

Newark, N. J., May 23.—Wein, Obst & Gartenbau Verein, 15 Newark St. Peter Caille, Sec., 111 Avon Ave., Newark.

Baltimore, Md., May 24.—Gardeners' and Florists' Club of Baltimore, Florists' Exchange Hall, St. Paul and Franklin Sts. Noah F. Flitton, Sec., Gwynn Falls Park, Sta. F., Baltimore.

Norwich, Conn., May 24.—New London County Horticultural Society, Buckingham Memorial. Frank H. Allen, Sec., 321 Main St., Norwich, Conn.

Providence, R. I., May 24.—Florists' and Gardeners' Club of Rhode Island, Swartz Hall, 96 Westminster St. Wm. E. Chapell, Sec., 333 Branch Ave., Providence, R. I.

Newport, R. I., May 25.—Newport Horticultural Society, Music Hall. Wm. Gray, Sec., Bellevue Ave., Newport.

Hartford, Conn., May 28.—The Connecticut Horticultural Society, County Bldg. Alfred Dixon, Sec., 25 Wilcox St., Wethersfield, Conn.

San Francisco, Cal., June 22-24.—American Seed Trade Association.

Detroit, Mich., June 23-25.—Annual convention of American Association of Nurserymen.

Fort Worth, Tex., July 6-7.—Texas State Florists' meeting.

NEW CROP

FANCY FERNS

\$1.25 per 1000

Special Inducements For

QUANTITY ORDERS

Contract Now For

DECORATION DAY REQUIREMENTS

I also handle the very best quality Huckleberry Foliage, Dyed and Natural Sheet Mosses. I am a new Firm in the field but an Old-Timer in experience. Give Me a Trial.

I WILL PLEASE YOU

KNUD NIELSEN

EVERGREEN, ALA.

THE GOLDEN RULE AS A PRACTICAL BUSINESS PROPOSITION.

A. L. PIERSON, W. D. HATHAWAY, and before
THE GOLDEN RULE ASSOCIATION.

No man lives in a vacuum. We are all dependent and many times inter-dependent. No one of us could subsist for any considerable time on the products of his own individual industry. This being so, our very existence is dependent upon our ability to exchange some of those commodities which we produce for those produced by others. Hence the necessity of trade. We MUST trade; our comfort and well-being and our very existence are dependent upon it. Every worthy citizen produces something in excess of his own requirements, with which he seeks to procure those other necessities which he and his family need; but which he does not and cannot produce himself.

To adjust this exchange justly is the ethical question. In all the ramifications of this interchange of products which we call Trade, the great problem is to adjust the machinery so that every man will get the value for the products he desires to dispose of, and be given in return, a just equivalent. In every just exchange both parties are benefited.

Many factors enter into this great problem. The law of supply and demand is one of them, that cannot be ignored. The same commodity at one time will yield much more of a given product than at another time; values fluctuate from day to day. Wheat is just as nutritious when abundant as when scarce, and vice versa. When the catch of fish is large, the value of a single pound as an article of food is as great as when the catch is small. But in the event of restricted production it will require a less number of pounds of fish to procure a given number of pounds of wheat, than when the yield is large. This law is universal in its application with respect to any and every product of the brawn and the brain of man.

To find the right law for the adjustment of these various values, is the problem. With this subject men have been struggling more or less blindly ever since they determined no longer to follow the law of the jungle. The law of the barbarian is to take whatever Force can appropriate to itself, regardless of right. In the minds of the best of men there always has been a repulsion to the law of the jungle; but a concise statement of that better desire on the part of men did not find adequate expression until some 2000 years ago, when there appeared among the common people of Judea a man, who crystallized that innate longing of the best men of the ages, when he said these words, so sweet and simply, which if followed, would settle most of the social problems and bring peace and happiness to men. That saying of Jesus of Nazareth has been styled: "THE GOLDEN RULE." "As ye would that men should do unto you, do even so unto them." And we are asked: "IS THE GOLDEN RULE A PRACTICAL BUSINESS PROPOSITION?" We shall answer the question by asking: What is there impractical about it? In so far as men find themselves removed from the law of the jungle, they seek to measure their transactions by

that standard. When that law is adopted in the transactions between man and man, both parties are the gainers thereby. When it is ignored, both are ultimately the losers, for no man can long succeed when the other man with whom he deals does not. When one suffers, all the members of a community suffer with him. We like to do business with that man or set of men who sell fairly and pay promptly. No one objects to this hypothesis when worked by the other fellow. It may be said that this is idealism, and some may affirm, as we are aware that some do, that this law will never bear up in the mad scramble for existence. With a few working at it and many disregarding it, it would seem quite difficult of expression. But suppose everyone were working by that principle, what a delight it would be to do business. If all men dealt by us as do some; if all men paid their bills promptly, as do many, what a delight business life would be. Then would come to pass again the experience of the children of Israel, when it was said: "He that gathered much had none over, and he that gathered little had no lack. They gathered every man according to his eating."—that is, according to his needs.

So much for the theory. But when—ever that principle has been put into active operation what has been the result? Those men who aim to square their transactions by this rule may not get rich quick, and quickly-gotten riches is more often a curse than otherwise. But the adherent to The Golden Rule is found generally doing business long after the man who ignores it has gone out of business.

In every city there are firms whose trade-mark is all the guaranty the public requires. Their names stand for something of worth. However high our ideals, our performances will necessarily fall below those ideals; but those who "aim at the moon will shoot higher than those who only aim at the bush." It is our conviction that those who adhere to the principles of THE GOLDEN RULE succeed best in the long run, and therefore, that rule must be a practical business proposition.

Pillsbury's patented carnation staples for mending bursted blooms, made by I. L. Pillsbury of Galesburg, Ill., have evidently proved their indispensability to the florist for they are now used in enormous quantities in every part of the country. The price has been reduced to 35 cents per 1000 and everybody is buying them, not by thousands but by ten thousands.

BUDDLEIA VARIABILIS

(BUTTERFLY BUSH) HARDY

Strong plants from 3 in. pots. Planted now outdoors will bloom from July 15 until hard frost. Worthy of a prominent place in every good garden.

\$2.50 per doz.; \$15.00 per 100

W. R. NICHOLSON, - Framingham, Mass.

VIBURNUM CARLESII.

The Korean *Viburnum Carlesii* is rightly considered one of the handsomest plants recently introduced into American gardens. Its value is in the white, extremely fragrant flowers which are produced in rather small compact clusters and open from bright pink buds. As the flowers in a cluster do not all open at the same time the mixture of white flowers and pink buds adds greatly to the attractiveness of the inflorescence. It is a rather dwarf shrub of compact habit with pale green leaves and has not yet produced fruit in the Arboretum. There is a Japanese species, *V. bitchuense*, which somewhat resembles *V. Carlesii*, but the flowers are smaller and the habit of the plant is not so good. Mistaken by Japanese botanists for *V. Carlesii*, this plant has been propagated in Japanese nurseries and sent to the United States and Europe as *V. Carlesii*. In buying that plant care should be taken to secure the right species.—Arnold *Arboretum Bulletin*.

CATALOGUE RECEIVED.

W. D. Hathaway, New Bedford, Mass.—1915 Catalogue of "Hathaway's Dahlias." A choice selected list, well illustrated.

Springfield, Mass.—Proceedings in equity were started in Superior Court on May 8, by A. N. Pierson, Inc., of Cromwell, Conn., to collect a debt of \$517.28 from Nelson F. Higgins, a florist and a temporary restraining order was issued by Judge William Hamilton preventing Mr. Higgins from collecting on a certain note, and Sidney A. Saunders from making any payment on it, until further order of the court. The plaintiff seeks to have his claim against Mr. Higgins satisfied out of the proceeds of the note.

Little Ads Bring Big Returns

Little ads. in our Classified Columns bring big returns to both advertiser and purchaser.

Anything that can be sold to florists, gardeners, park and cemetery superintendents, etc., can be sold through this medium in this department, and at very small cost. Don't fail to read them each issue, for you will find one or more that will prove profitable to you.

**They Cost Only One Cent
A Word Undisplayed**

TIME TO BUY

THESE ARE THE FINEST PLANTS WE
HAVE EVER OFFERED

SEASONABLE PLANTS

2 1/4 in. pots, \$3.00 per 100.

Sweet Alyssum, Achyranthes 5 sorts, Abutilon Savitzii, Ageratum, Alternantheras, Cuphea, Coleus all best sorts, Centaureas, Fuchsias dble. and sing., Myosotis, Heliotrope, German Ivy, Lemon Verbena Lantanas 6 vars., Lobelia dwarf, trailing or double, Petunias, Salvias, Stevia, Tradescantia, Vinca vari. and elegans. Many of the foregoing can be supplied in larger sizes if required.

Ampelopsis Veitchii, 3 in. pots, \$8.00 per 100. Asparagus Sprengeri, 3 in., \$6.00; 4 in., \$10.00. Begonias Erfordii, Vernon, Crimson Bedder and Gracilis, \$3.00 to \$4.00. Dracaena indivisa, 4 in to 7 in., \$15.00 to \$40.00. English Ivy, 4 in., \$8.00. Geraniums, Rev. Wm. Atkinson, Mme. Julien, Molin, Doyle, Ricard, La Favorite, Nutt, Poitevine, Harrison, Countess of Harcourt, etc.; Ivy-leaved, Fragrant, etc., etc., all the best doubles and singles, handsome stock, 2 1/4 in. to 3 1/2 in., \$3.00 to \$8.00 per 100. Moonvines, \$4.00 to \$10.00. Swainsona, \$4.00. Vincas, large plants, \$6.00 to \$10.00. All cool grown, stocky and ready for prompt shipment.

CHRYSANTHEMUMS ROOTED CUTTINGS

Thanksgiving Queen, Unaka, \$4.00 per 100; \$30.00 per 1000. Dolly Dimple, Elise Papworth, Intensity, Golden Dome, John Shrimpton, Lynnwood Hall, Nagoya, Patty, Yellow Eaton, Unaka, \$3.00 per 100; \$20.00 per 1000. Autumn Glory, Ada Spaulding, Cullingfordii, Dr. Enguehard, Early Snow, Golden Glow, Geo. Kalb, Glory of the Pacific, H. W. Rieman, Jennie Nonin, Money Maker, Mayor Weaver, Maud Dean, Monrovia, Mrs. J. Jones, Miss Alice Byron, Mrs. Baer, Major Bonnaillon, Polly Rose, Pacific Supreme, Robt. Halliday, Smith's Advance, White Bonnaillon, W. H. Lincoln, \$2.00 per 100, \$15.00 per 1000.

CARNATIONS

From 2 inch Pots.

	100	1000
Matchless	\$7.00	\$60.00
Enchantress Supreme, Benora,		
British Triumph, Eureka	5.00	45.00
Enchantress, Lady Northcliff,		
Mrs. C. W. Ward, White Wonder	4.00	35.00
Lady Bountiful, Winsor, White Winsor	3.50	30.00

CANNAS IN 30 VARIETIES

From 3 1/2 in. pots, strong plants, \$6.00 and \$8.00 per 100.

ROSES

GRAFTED and OWN ROOT. Send for List.

WOOD BROTHERS

FISHKILL, N. Y.

NEW CROP

Huckleberry Foliage

\$1.75 per Case

Also Handle

FANCY and DAGGER FERNS
NATURAL and DYED MOSSES

Give Me a Trial

Prices as Low as the Lowest
QUALITY CONSIDERED

KNUD NIELSEN

EVERGREEN, - - ALA.

Gentlemen:—Will you please discontinue my classified gladioli advertisement now running in your paper? I am sold out of nearly all varieties, especially those called for by your readers, and hope to have as good success with you next year. R. W. S.

ASPARAGUS SEED

PLUMOSUS NANUS. True greenhouse-grown. 50 cts. per 100 seeds, \$1.00 for 250 seeds, \$3.50 per 1000 seeds.

PLUMOSUS NANUS. Lath house-grown. 50 cts. per 100 seeds, 75 cts. for 250 seeds, \$2.50 per 1000 seeds.

SPRENGERI. 25 cts. for 250 seeds, 75 cts. per 1000 seeds, \$3.00 for 5000 seeds.

FRESH PALM SEED

	100	1,000	10,000		100	1,000	10,000
Areca lutescens. (May delivery)	\$1.00	\$7.50	\$70.00	Phoenix Canariensis	\$1.00	\$7.50	
Cocos Weddelliana	1.25	10.00	80.00	Lantania Borbonica	.50	3.50	\$30.00
Kentia Belmoreana	1.00	7.50	55.00	Musa Ensete (Banana)	.75	5.00	
Kentia Foresteriana	1.00	7.50	55.00	Dracaena Australis	.15	1.00	8.00
Phoenix rupicola	1.00	7.50		Dracaena Indivisa	Tr. pkt., 10c.; oz., 30c.; 1/4 lb., \$1.00.		

FERN SPORES

Sow Now for Fall and Winter Use.

CULTURAL DIRECTIONS—Take a clean 5 or 6-inch pot, or 6 to 7-inch pan, and fill it to within 2 inches of the top with coarse ashes; on top of this put about 1 1/2 inches of fine soil and firm down; give good watering with boiling water, using a fine rose; after drying off a little, sow the spores but do not cover, put in a saucer filled with water, placing a pane of glass over the pot or pan. Never top-water. After first real leaves appear they should be pricked out into flats.

Adiantum cuneatum
Adiantum Capillus-Veneris
Adiantum pubescens
Asplenium bulbiferum
Aspidium tsussimense
Cibotium Schiedeii
Cyrtomium falcatum
Doryopteris palmata
Gymnogramma sulphurea
Gymnogramma chrysophylla
Gymnogramma Peruviana
Lastrea aristata
Lastrea aristata variegata

Lomaria gibba
Pteris adiantoides
Pteris argyrea
Pteris cretica
Pteris cretica albo-lineata
Pteris magnifica
Pteris Mayii
Pteris Ouvardi
Pteris serrulata
Pteris serrulata cristata
Pteris tremula
Pteris Wimsetti
Mixed, all varieties

All the above Fern Spores, 25c. per packet (sufficient to produce 500 plants). You may deduct 5% for cash with order.

ARTHUR T. BODDINGTON, SEEDSMAN
342 West 14th Street, NEW YORK

THE FRAMINGHAM NURSERIES

200 ACRES,
TREES, SHRUBS,
EVERGREENS,
VINES, ROSES, ETC.



FINE STOCK OF
RHODODENDRONS,
KALMIAS AND
ANDROMEDAS.

W. B. WHITTIER & CO.

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TREES

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Mt. Sterling, Ky. A Robertson pair chased the wind and the Bluegrass Seed Company of April 1st for \$10,000.

The value of horticultural imports to New York for the week ending May 1 is given as follows: Fertilizer, \$28,287; clover seed, \$11,538; grass seed, \$2,660; trees and plants, \$9,286.

We are informed by a leading seed house that the California seed growers experienced considerable of a shock when they learned that it had been reported in the east that California had a blizzard, on April 30. The report proved to be somewhat exaggerated and California crops are said to be in excellent condition.

Chicago With the warmer days, the counters of the seed stores are surrounded by customers once more. The week's lull has not come amiss. The

large department stores are advertising the sale of shrubbery, trees, etc. preparatory to clearing the department for the season.

Wholesale seed men are having many repeat orders. Because of the dry soil and high winds, seeds have failed to germinate.

BUFFALO BOTANICAL GARDEN.

H. H. Elbers has been appointed to fill the vacancy caused by the death of J. F. Cowell, director of Buffalo Botanical Gardens. Director Elbers has been in charge of affairs at South Park since last Wednesday and will also continue supervision of Humboldt Park work until a successor is appointed.

Director Elbers has made a study of plant life since infancy, and has made Humboldt Park one of the most beautiful in the country and has also been with the Park Department here almost a fifth of a century. His efficiency in this work brought about his promotion without solicitation on his part.

Mr. Elbers loves the work and is sure to make a success at South Park. His early life was spent in the Royal Garden of Duke Salm Salm in Westphalia, Germany, where he got the practical experience which he has put into practice here.

There are many candidates in the field for the vacancy of director of Humboldt Park, though no one has as yet been appointed. Congratulations are extended Mr. Elbers by the Buffalo Florist Club and fellow florists.

E. C. B.

VISITORS' REGISTER.

Boston—Prof. D. S. Lumsden, Ithaca, N. Y.

Philadelphia—C. B. Knickman, C. W. Scott and S. Suzuki, all of New York.

Washington—Robert Shoch, representing Rice Company; N. B. Lake, and I. Rosnosky, representing H. F. Michell Co., all of Philadelphia.

St. Louis—A Miller of A. Henderson & Co., Chicago; Sam. Seligman and Julius Dillhoff, ribbon salesmen of New York; Frank Farney representing W. Rice Co., Philadelphia.

Chicago: H. Balsley, Detroit, Mich.; A. L. Riggs, DeKalb, Ill.; A. C. Reichert, Michigan City, Ind.; W. J. Becker, Logansport, Ind.; H. J. Ware, of Maltus & Ware, New York; J. J. Karins, representing H. A. Dreer, Phila.; George Tegelaar, of Van Meeurven & Tegelaar, Lisse, Holland; Alois Frey, Crown Point, Ind.; W. H. Ford, Marshalltown, Ia.; S. Peterson, Clinton, Ia.

New York—Mr. and Mrs. B. Hammond Tracy, Wenham, Mass.; R. Vincent, Jr., and T. A. Vincent, White Marsh, Md.; R. C. Kerr, Philadelphia, Pa.; Prof. Hall, Geneva, N. Y.; S. S. Pennock, Phila., Pa.; J. K. M. L. Farquhar, E. H. Wilson, Wm. J. Stewart, Boston; Geo. L. Stillman, and L. J. Reuter, Westerly, R. I.; H. Langelier, representing M. van Waveren & Sons, Ltd., Hillegom, Holland; Frank R. Austin, Tuckerton, N. J.

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A great improvement over the old type; flowers much larger.

	Trade Pkt.
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Kermesina. Deep crimson.	.50
Rosea. Pink.	.50
Alba. White.	.50
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NEW CORPORATIONS.

Boston, Mass.—Fine the Florist, capital stock \$5,000. Incorporators, Max Pine, Sylvia E. Fine and Jack Katz.

Stithton, Ky.—Kentucky Farm & Orchard Co., capital stock \$50,000. Incorporators, S. L. Smith, F. J. Watts and W. M. Brown, Louisville.

Cleveland, O.—Joseph M. Stern Co., florists' supplies; capital stock, \$10,000. Incorporators, Joseph, Martha and George Stern, Isaac Nussbaum and Rudolph Berg.

Atlanta, Ga.—H. G. Hastings & Co. have filed application for two charters of incorporation, one to be known as H. G. Hastings & Co., to handle their wholesale business, with a capital stock of \$250,000, with privilege of increasing to \$500,000, and the other to take care of their retail business, to be known as the Hastings Seed Co., with capital of \$1,000, with privilege of increasing same to \$500,000.

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A. R.

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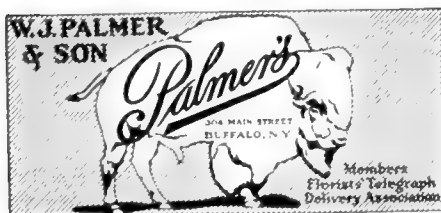
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Of Interest to Retail Florists

Kansas City, Mo. Samuel Murray has his new place at 1917 Grand avenue nearly ready for occupancy and expects to move in about May 25.

C. Betscher states that in Canal Dover Ohio, Mothers' Day business greatly increased over 1914 and was quite as good as Easter with many calls for plants—demand greater than supply.

The Associated Retail Florists, Inc., maintains a list of names of florists out of positions and would be pleased, at any time, to hear from persons connected with the retail business who are looking for a position or who are looking for employees.

W. M. H. STEUBERT, JR., Sec'y.

Queens Plaza Court, L. I. City, N. Y.

PERSONAL.

Miss Florence Mary Dreer, daughter of Mr. and Mrs. Wm. F. Dreer, and Herman Markle Hessenbruch was married on Saturday, June 19th in the Church of the Redeemer, Bryn Mawr, Pa.

Mrs. B. Hammond Tracy of Wenham, Mass., was taken suddenly ill while attending the session of the Women's National Agricultural and Horticultural Association in New York last week, but was able to leave for her home on Sunday evening.

David S. Miller has accepted the position of superintendent on the estate of J. Insley Blair, a new place of about ninety acres in Tuxedo, N. Y. Duncan MacGregor, who was foreman with Mr. Miller for several years, succeeds him in charge of Kincaid, Tuxedo.

Prof. D. S. Lumsden of Ithaca has recently been appointed superintendent of the department of floriculture of the New York State Fair by Hon. C. S. Wilson, Commissioner of Agriculture for New York State. The building originally erected for the Manufacturers and Liberal Arts will be used for all horticultural products.

Marie Westcott, granddaughter of John Westcott, of Philadelphia, is announced as one of the charming array of June brides that the month of roses annually gives us to add effulgence to smiling morn and to hail Aurora and the break of day! On that bright June day, may the rosy fingers of the goddess tip the hills with gold, and may all nature rejoice with gladness. If the young lady gets a more sincere bouquet than this from your scribe, on her wedding day, he would like to see it. May the Goddess of Good Fortune be ever watchful of her well-being.

G. C. W.

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Albany, N. Y.—The Rosery, 23 Steuben
St.

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Boston—Penn. the Florist, 37-43 Brom-
field St.

Buffalo, N. Y.—S. A. Anderson, 440 Main
St.

Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago, Ill.—Schiller the Florist, George
Asmus, Mgr.

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Farnum St.

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Clinton Ave., N.

St. Louis, Mo.—Fred C. Weber, 4326-28
Olive St.

St. Paul, Minn.—Holm & Olson, Inc.

Tarrytown-on-Hudson, N. Y.—F. R. Pier-
son Co.

Toronto, Can.—J. H. Dunlop, 96 Yonge
St.

Washington, D. C.—Gude Bros., 1214 F
St.

Washington, D. C.—F. H. Kramer, 915
F St., N. W.

Westerly, R. I.—Reuter's.

Worcester, Mass.—Randall's Flower Shop,
3 Pleasant St.

NEW FLOWER STORES.

Sterling, Ill.—Harry Bent, Randolph
Hotel.

Schenectady, N. Y.—J. H. Grupe, 248
Broadway.

Newark, N. J.—G. & F. Penek, 637½
Broad street.

Dothan, Ala.—Dothan Floral Co.,
Miss Cauley, manager.

Erie, Pa.—Baur Floral Co., Com-
merce Bldg., 12th street.

Hartford, Ct.—Boehner's Flower
Shop, Park and John streets.

Chicago—New City Florist, A. Steffe-
ter, prop., 4918 S. Ashland Ave.

Ft. Worth, Tex.—W. S. Faris, 703
Houston street, succeeding Geo. Ken-
nedy.

Philadelphia, Pa.—Green and White
Shop, Jacob Agre, proprietor, 21 South
11th street.

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"The Telegraph Florist"

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96 Yonge St., - - TORONTO, ONT.

NEWS ITEMS FROM EVERYWHERE

BOSTON.

The plants in the Public Garden are getting into the green.

Don't forget the May exhibition of the Massachusetts Horticultural Society, which takes place Saturday and Sunday, May 16 and 17.

Thomas Corger of Melrose has just received a very large consignment of araucarias from Europe which happily came through in excellent condition.

Leonard Cousins, Jr., of Concord Junction is having fine success with his pansy crop this season. The large field of rioting colors is a sight worth going many miles to see.

Keen competition is expected this Thursday night between the bowling teams representing the Boston Flower Exchange and Carbone's. The game is being played in the Waldorf Alleys.

Thomas Roland cut the first ripe fruit from the tomatoes which form the spring crop in his big Revere greenhouse. He estimates that the crop from now until July 1st will aggregate forty tons.

John Burke, formerly with Thos. F. Galvin, has gone into business at 250 Boylston street in the retail flower business. The location is good and should develop rapidly with the opening of the Arlington street station.

Some specialties noted this week are anemones from Perry Green, of Quincy; Gypsophila elegans from R. E. Wadsworth & Co., of Northboro; pansies from W. C. Ward, of Milton; sweet peas from H. S. Chandler, of Tewksbury.

The new wholesale flower store opened by Patrick Welch at 262 Devonshire street, enjoys continued prosperity. It is centrally located and under the able management of Paul Regan consignors are receiving very satisfactory results.

Mother's Day business was very good, due in large part to the newspaper advertising by the retailers. As usual, there was a shortage of carnations, but not to so great a degree as in former years. Other flowers were called for in large numbers.

Penn was busy this week with the decorations for the Dartmouth Junior Promenade, which is to be held in the gymnasium hall, the second largest in this country. The color scheme is red and green, consisting of red roses and greens, trees, etc. A car load of material was shipped from Boston.

The Flower Growers' Protective Association are actively pushing the campaign to get the local growers in line with their proposition. Papers are still in circulation for prospective members to sign. Returns so far have been very satisfactory, and with the co-operation of several prominent retailers who are encouraging the move-

ment, we hope to soon have a live credit association.

A large delegation of students from the New Hampshire State College, under the guidance of Prof. Wolfe, Mr. Scherrer, instructor, and Prof. Lumsden of Cornell, visited various points of interest around Boston the first few days of the present week. The places visited included the Bay State Nurseries at North Abington, R. & J. Farquhar & Co., nurseries, Dedham, the Larz Anderson and Sen. Sprague estates at Brookline, Arnold Arboretum and various truck farms in Arlington and Belmont.

W. F. and Adolphus Gude of Washington, D. C., were visitors in Boston in the early part of this week in attendance upon the sessions of the National Bowling League of which W. F. Gude is president. We are pleased to announce that Mr. Gude was re-elected for another year in a very hotly contested election. A visit to the new greenhouse range of Thomas Roland and to some interesting points in the park system was enjoyed by the visitors under the escort of Deputy Commissioner Jas. B. Shea, Thomas Roland and Patrick Welch.

Lewiston, Me.—A. L. Kavanaugh has come forward with a splendid offer in aid of the Lewiston and Auburn Gardeners' Union. He is the owner of 25 lots on East avenue and Lafayette street, which he offers to give the use of for summer gardens. These lots are 100 x 50 feet in size and their use for that purpose can be had gratis. This offer applies to adults as well as children. He will also give a prize of \$10 in gold to the person who raises the finest all around flower and vegetable garden. It matters not whether the garden is flowers or vegetables, although both will be preferred.

CHICAGO.

A light frost was reported the night of May 9.

George Reinberg had probably the lion's share of white roses for Mothers' Day. His plants were in crop at just the time to bring in a harvest for every rose sold and more could have been disposed of.

Wm. Schofield, 734 N. State street had a narrow escape from serious injury Monday, when he took the alternative of guiding a runaway horse into an automobile, rather than injure passengers just alighting from a street car. Mr. Schofield was considerably shaken up and bruised. The horse was badly injured.

There is a steady demand for plants. There is nothing now in large blooming plants except roses, principally of the baby rambler type, and rhododendrons, with a very few hydrangeas. The trade has to rely largely on decorative foliaged plants. Though early for trade in bedding plants, the warm days have made that class of stock very much in demand.

The leaving of C. G. Anderson and his son and daughter for Minneapolis in the very near future will be regretted by many in the trade. Mr. Anderson is a well-known plant grower, for many years with the Geo. Wittbold Co. and in charge of the Poehlmann Bros. plant range since that branch was opened four years ago. Miss Pauline has proven herself very capable in the Morton Grove office and George has been employed in the city office. Mr. Anderson has taken the management of the Minneapolis Floral Co., Minneapolis.

Mayor Thompson issued a proclamation May 4th, formally naming the following Sunday, May 9th, as "Mothers' Day." In this proclamation he calls upon all who can to wear a white flower. Had this matter been taken



MEMORIAL DAY LEADERS

The Hawley Glass Cemetery Vase

Flared top, 5 1/4 inches in diameter, 9 inches deep, inside measure with a 3 inch spike. Price \$2.00 a dozen.

Heavy Tin Lawn or Cemetery Vase

No. 1, in both green and white enamel, 6 3/4 inches deep and 4 inches in diameter, with a 4 inch spike. Price \$15.00 per 100.

No. 2 in green and white. These are 6 1/4 inches deep, 3 3/4 inches diameter and a 4 inch spike. Price \$12.00 per 100. Made with heavy sheet tin.

Stone Cemetery Vases

In blue only. These are 6 1/4 inches deep, 4 1/2 inches in diameter, with a 4 inch spike. Price \$1.50 per dozen.

N. F. McCARTHY & CO.

112 Arch St. 31 Otis St.
BOSTON, MASS.

Memorial Day Profits

May be very much increased by good judgment in selection of supplies. We offer **CREPE FLOWERS**, such as Roses, Wisteria, Carnations, etc.; **MAGNOLIA LEAVES**, green and brown, in cartons and bulk—no torn or mouldy leaves; famous **HIGRADE METAL WREATHS**, home-made, fresh from the factory to you—no shop-worn stock sent out; **CEMETERY VASES** of iron or tin and enamelled tin; **CAPE FLOWERS**, best in the world.

Push your order along and have the goods to show.

"HERE COMES THE BRIDE"

FOR THE JUNE WEDDING we have **Lace Bridal Holders**, **Wedding Cords**, 4-ply twisted, tassels to match; **Wedding Posts**, **Wedding Gates**, **Kneeling Stools**, **Gauze Chiffons** for Shower Bouquets; **Bridal Scarfs**, **Bridal Resting Baskets**, **Shepherd's Crooks**, **Directoire Staffs**.

Hi-Art Decorative Commencement Baskets for the graduates. Stock up now and have the goods to show your customers. Send for prices and you will be astonished to see how much you can do with a little money when you go straight to headquarters—**The Florists' Supply House of America**.

H. BAYERSDORFER & CO.

1129 Arch Street, PHILADELPHIA, PA.

up with the Mayor previously, and the reasons shown him why the white flower should not have preference over the colored one, it might have made a decided change in the attitude of customers. In the local papers the white carnations was repeatedly referred to as the flower of the day. Not a word was noticed as advocating flowers in general, yet here was a splendid opportunity for publicity by the florists. Mothers' Day has been thrust upon the trade and a few well written articles for the daily papers would help direct the business into broader channels. Notwithstanding the demand for flowers was so great that the retail florist could not provide enough for his customers, the flower sale on the streets in the loop district netted the Mothers' Emergency League, May 8, \$1,100, which goes to show what can be done to work up sentiment and so use up more flowers.

PACIFIC COAST.

Geo. C. Roeding of Fresno, Cal., has taken 1000 square feet in the S. A. F. Convention Garden.

Domoto Bros. of Oakland, who have taken 1500 square feet in the Convention Garden, are preparing to make a big showing of Japanese plants and trees.

At the next meeting of the Pacific Coast Horticultural Society, Prof. R. T. Stevens of the University of California will deliver a lecture on, "The History of Landscape Gardening," with lantern slides.

An exhibit by Henry Turner, noted rose grower of Mentebello, Los Angeles County, was the first entry to be installed at the Convention Garden. It

consists of a fine showing of September Morn, bordered by Triomphe Orleans.

S. T. Beatie has resigned as sales manager of the United Flower & Supply Co., which was organized a short time ago to take over the shipping department of the California Flower Market on Bush street, with the intention of going into the shipping business for himself.

The Aggeler & Musser Seed Co. of Los Angeles, Cal., has an extensive exhibit in the Southern California section of the state building at the Panama-Pacific International Exposition. An attractive feature is a number of panels made from seeds in natural colors, depicting men, flowers, etc.

Chas. H. Totty of Madison, N. J., is serving on the International Jury of Awards of the Panama-Pacific International Exposition in the horticultural section. Geo. C. Roeding of Fresno, Cal., is here also, serving in the same capacity. Besides several members of the trade in the Bay district are among the jurors, including H. Plath, E. James, J. R. Fotheringham and F. Pelicano.

PITTSBURGH.

Mrs. E. A. Williams left last Friday for Atlantic City, where she is spending a fortnight.

In connection with its new house furnishing department, the Rosenbaum Company has opened an extensive seed, bulb and garden implement section in the basement of the handsome new store.

Randolph & McClements are adding much to the attractiveness of Motor Square Garden by contributing practically all their palms and other foli-

aged plants for the Prosperity Carnival (made in U. S. A.) being held this week under the auspices of the Pittsburgh Commercial Club.

One of the most suggestive show windows in anticipation of Mothers' Day was designed by Louis W. Biehl for the E. C. Ludwig Company on the North Side. The background was formed of cibotium ferns and white carnations, the central figure being a well modeled, snowy-haired mother, gowned in black and holding the symbolic carnations.

Natural Green Sheet Moss

\$1.75

Dyed Green Sheet Moss

\$3.00

Delivered by Express

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FANCY and DAGGER FERNS
HUCKLEBERRY FOLIAGE

QUALITY HIGH and PRICES LOW

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EVERGREEN, . . . ALA.



Real Butterflies

Moths, Beetles, etc., mounted on pins for floral decorations of every description. Largest stock in America. Write for prices.

The New England Entomological Company
366 Arborway, Jamaica Plain, Mass.

NEW NEARBY DAGGER FERNS

Ready May 20th

\$2.50 per 1000, \$2.25 per 1000 in case lots

Place your orders now for your Ferns for Decoration Day. Our price is right and the Ferns as good as any offered at more money.

THE LEO NIESSEN CO.

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PHILADELPHIA, PA.

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Block Letters, \$2.00 per 100.

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Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock.

POEHLMANN BROS. CO.

Supply of Best Cut Flowers all the Year Around
72-74 EAST RANDOLPH ST., - - - CHICAGO.

If interested, send us your name and address for our weekly price list.

WELCH BROS. CO.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI May 3		CHICAGO May 10		BUFFALO May 10		PITTSBURG May 6	
Roses								
Am. Beauty, Special.....	20.00	to 25.00	25.00	to 35.00	20.00	to 25.00	25.00	to 30.00
" Fancy and Extra.....	12.50	to 15.00	20.00	to 25.00	12.00	to 15.00	15.00	to 20.00
" No. 1.....	8.00	to 10.00	10.00	to 20.00	6.00	to 10.00	6.00	to 10.00
Killarney, Richmond, Extra.....	5.00	to 6.00	5.00	to 8.00	5.00	to 7.00	8.00	to 10.00
" Ordinary.....	2.00	to 4.00	2.00	to 4.00	3.00	to 4.00	3.00	to 6.00
Hillingdon, Ward, Sunburst, Extra.....	5.00	to 6.00	5.00	to 10.00	6.00	to 9.00	.....	to 8.00
" Ordinary.....	2.00	to 4.00	3.00	to 5.00	4.00	to 6.00	3.00	to 6.00
Maryland, Radiance, Taft, Extra.....	5.00	to 6.00	.....	to 12.00	6.00	to 8.00	.....	to 8.00
" Ordinary.....	2.00	to 4.00	.....	to 3.00	6.00	to 6.00	3.00	to 6.00
Russell, Hadley, Ophelia, Mock.....	2.00	to 8.00	6.00	to 20.00	5.00	to 7.00	4.00	to 10.00
Carnations, Fancy.....	.....	to 2.00	3.00	to 4.00	2.00	to 3.00	.....	to 6.00
" Ordinary.....	.....	to 1.00	.....	to 2.00	.....	to 2.00	.....	to 4.00
Cattleyas	30.00	to 35.00	50.00	to 60.00	40.00	to 50.00	25.00	to 50.00
Lilies, Longiflorum	1.00	to 10.00	8.00	to 10.00	8.00	to 10.00	6.00	to 10.00
" Rubrum.....	.....	to 1.00	.....	to 1.00	3.00	to 5.00	.....	to 1.00
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	.....	to 4.00	3.00	to 4.00
Daisies.....	.....	to 1.00	1.00	to 1.50	1.00	to 1.50	1.50	to 3.00
Stocks.....	.....	to 4.00	4.00	to 5.00	2.00	to 3.00	.....	to 1.00
Snapdragon.....	.....	to 6.00	8.00	to 10.00	3.00	to 5.00	1.00	to 3.00
Iris.....	.....	to 1.00	.....	to 1.00	.....	to 1.00	.....	to 1.00
Gladioli.....	.....	to 8.00	4.00	to 5.00	.....	to 2.00	4.00	to 6.00
Calendulas.....	.....	to 1.00	1.00	to 2.00	3.00	to 4.00	2.00	to 4.00
Sweet Peas	1.15	to 1.50	1.50	to 1.50	1.50	to 1.50	1.50	to 1.00
Corn Flower.....	.....	to 1.00	.....	to 1.00	75	to 1.00	.....	to 1.00
Gardenias	10.00	to 15.00	.....	to 20.00	20.00	to 25.00	.....	to 1.00
Adiantum.....	.....	to 1.00	1.00	to 1.25	1.00	to 1.25	.....	to 1.25
Smilax	12.50	to 15.00	15.00	to 18.00	.....	to 15.00	.....	to 15.00
Asparagus Plumosus, Strings (100)	to 50.00	50.00	to 60.00	40.00	to 50.00	to 50.00
" " & Spreng. (100 bchs.)	35.00	to 35.00	25.00	to 50.00	25.00	to 35.00	to 50.00



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"The" Wholesale Florist of Cincinnati
32-34-36 East Third Street

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Mention Horticulture when writing.

Wired Toothpicks

Manufactured by

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10,000....\$1.75. 50,000....\$7.50. Sample free
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RICHMOND, IND.

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CHOICE BEAUTIES, ORCHIDS, VALLEY, ROSES
and all Seasonable Varieties of Cut Flowers

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Hardy Fancy Fern Our Specialty

264 RANDOLPH ST., DETROIT, MICH.


Flower Market Reports

BOSTON Mothers' Day business came up to all expectations and all parts of the trade are quite satisfied. Prices began to rise about Wednesday, especially on carnations. Very ordinary stock secured \$6.00 per 100, the better quality and specials reaching \$8.00 and \$9.00. White stock of all flowers was in greatest demand. The efforts of the retailers to induce the public to buy other flowers besides carnations brought about a noticeable demand for roses, sweet peas, marguerites, pansies, etc., as well. Since Sunday business has fallen off and at the present writing, Thursday, the stalls are overcrowded and goods move but slowly. The only stimulating feature of the week has been a few large decorations secured by prominent retailers.

The market was brisk and the supply good up to Thursday last, with only a slight price advance on anything. Mothers' Day was certainly a success here but the price on carnations was not notched up as high as in other cities. The \$5.00 mark was reached for the best white carnations, Enchantress and other varieties bringing \$3.00 to \$4.00. The supply was just about enough to go around. Roses had a good demand and cleaned up well. The end of the week saw the best cleanup the market has had in some time.

CHICAGO Mothers' Day made the history of the market during the past week. The supply of stock for that day was the chief thought during the week previous and predictions of a scarcity of carnations were fulfilled. The experiences of other special days were reversed and instead of selling below quotations, carnations sold at advanced prices and good stock easily brought eight cents. White was the first choice usually, but soon it became evident that the retailer would be fortunate to secure enough carnations of any color for his trade, and then the demand reached to almost any kind of a flower. So completely was the market sold out that growers were urged to bring in everything that could be cut, and carnations half open were sold to anxious customers. Roses were sold out so close that Monday found ice boxes empty and no stock to fill them. Tuesday, there was a return to something more like normal conditions, but stock was still very scarce in some lines, and not too plentiful in any. The early peonies are coming from southern Illinois and are fair in quality. Southern gladioli Mrs. Francis King are selling well here.

NEW YORK The cut flower market here is very, very far from satisfactory. Neither growers nor wholesale dealers can contemplate the present situation with any feeling of comfort. The product is not finding anything like adequate distribution and anyone with any knowledge of the business must view with alarm the tremendous heavy receipts that come daily to the wholesale district in quest of a sale. Added to the general lethargy which is no doubt partly due to the abundance of



PEONIES

The prospects are we will have a splendid lot of choice Peonies for Memorial Day, local stock, very much superior to cold storage blooms.


\$6.00 to \$8.00 per 100.

A few Novelties at \$10.00 to \$12.00 per 100.

Plenty coming in now, all colors.

DAGGER FERNS, new crop, ready May 20th, \$2.50 per 1000; 10,000 lots \$2.00 per 1000.

S. S. PENNOCK-MEEHAN CO.
The Wholesale Florists of Philadelphia
PHILADELPHIA, 1608-1620 Ludlow Street
NEW YORK, 117 West 28th Street
BALTIMORE, Franklin and St. Paul Sts.
WASHINGTON, 1216 H St., N. W.



WHOLESALE FLOWER MARKETS — TRADE PRICES—Per 100 TO DEALERS ONLY

	BOSTON May 13		ST. LOUIS May 10		PHILA. May 10	
Roses						
Am. Beauty, Special	15.00	to 20.00	20.00	to 35.00	15.00	to 25.00
" " Fancy and Extra	10.00	to 12.00	10.00	to 15.00	12.00	to 15.00
" " No. 1	4.00	to 10.00	5.00	to 8.00	10.00	to 12.00
Killarney, Richmond, Extra	4.00	to 10.00	4.00	to 6.00	4.00	to 6.00
" " Ordinary	1.00	to 3.00	1.00	to 2.00	1.00	to 4.00
Hillingdon, Ward, Sunburst, Extra	6.00	to 12.00	4.00	to 8.00	4.00	to 6.00
" " Ordinary	2.00	to 4.00	2.00	to 3.00	2.00	to 4.00
Maryland, Radiance, Taft, Extra	6.00	to 12.00	4.00	to 6.00	2.00	to 5.00
" " Ordinary	3.00	to 4.00	2.00	to 3.00	1.00	to 2.00
Russell, Hadley, Ophelia, Mock	4.00	to 12.00	5.00	to 10.00	4.00	to 10.00
Carnations , Fancy	3.00	to 4.00	1.00	to 2.00	2.00	to 3.00
" " Ordinary	1.50	to 2.00	.50	to .75	1.00	to 2.00
Cattleyas	30.00	to 50.00	35.00	to 40.00	40.00	to 50.00
Lilies , Longiflorum	6.00	to 8.00	6.00	to 8.00	5.00	to 10.00
" " Rubrum	.....	to 6.00	.....	to .....	.....	to
Lily of the Valley	2.50	to 3.00	3.00	to 4.00	2.00	to 4.00
Daisies	.50	to 1.50	1.00	to 2.00	.50	to 1.00
Stocks	1.00	to 1.50	1.00	to 3.00	1.50	to 2.50
Snape-dragon	2.00	to 4.00	2.00	to 3.00	1.00	to 4.00
Iris	1.00	to 2.00	.....	to .....	.....	to
Gladioli	2.50	to 3.00	4.00	to 6.00	2.00	to 6.00
Calendulas	.....	to 1.00	.....	to 2.00	5.00	to 6.00
Sweet Peas	.25	to 1.00	.15	to .40	.50	to 1.00
Corn Flower	.50	to .75	.....	to	1.00	to 1.50
Gardenias	10.00	to 15.00	.....	to ...	4.00	to 15.00
Adiantum	.50	to 1.00	1.00	to 1.25	.75	to 1.00
Smilax	10.00	to 12.00	10.00	to 15.00	15.00	to 20.00
Asparagus Plumosus , Strings (100)	25.00	to 50.00	35.00	to 50.00	50.00	to 75.00
" " & Spreng. (100 Bchs.)	25.00	to 40.00	15.00	to 20.00	25.00	to 50.00

outdoor flowers and the auto facilities for seeing them, is the almost total cessation of the steamer trade which in normal times is quite a factor in the business of the high class stores. These stores and those of medium class are doing very little business this month although the wholesale values of flowers are so low that the business would be extremely profitable if there were any call. The cheaper classes of retailers are doing all right as they buy for a song and expenses are a small item with them. On Saturday the "Mothers' Day" pressure from out-of-town places was responsible for a large advance in the price of carnations also for the appearance of quantities of "pickled" blooms, and much subsequent upbraiding and bad feeling. The net effect upon the public and its estimate of the florist business could not be other than bad, and permanently injurious. The recklessness and utter disregard of consequences by some growers was well exemplified in the receipts from two parties who, together, sent in on Saturday morning 25,000

carnations which is just about the size of one week's normal cut for these two places. From one-half to two-thirds of this stuff—mostly colored—was unsaleable. No observance of "Mothers' Day" was noticeable in New York. On the streets and cars and among the countless myriads that thronged the accessible points to see the great warship assemblage, scrutiny failed to disclose a single buttonhole carnation white or colored. Lilies and dogwood flowers are very abundant in the market and of unusual quality. Orchids are very difficult to dispose of and lily of the valley of best quality goes slowly at the price of culls. Sweet peas are beautiful but difficult to move. Darwin tulips of glorious color and form are seen and the old fashioned varieties are practically outclassed by these splendid flowers.

PHILADELPHIA Judging from what the commission men say last week was quite an improvement

(Continued on page 666)

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Choice Cut Flowers

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Ferns, Mosses, Wild Smilax, Galax,
Lonicera, Palmetto, Cycas, both fresh
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A First Class Market for all CUT FLOWERS
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FINE ROSES, FANCY CARNATIONS

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THOMAS TRACEY, Mgr. 611 Broadway, ALBANY, N. Y.

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Prices Right. Consignments Solicited. Telephone Connection

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ORCHIDS A SPECIALTY

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NEW YORK QUOTATIONS PER 100. To Dealers Only**ROSES AND CARNATIONS**

	Last Half of Week ending May 8 1915		First Half of Week beginning May 10 1915	
American Beauty, Special	8.00	to 12.00	8.00	to 12.00
" " Fancy and Extra	4.00	to 8.00	4.00	to 8.00
" " No. 1	2.00	to 3.00	2.00	to 3.00
Killarney, Richmond, Extra	2.00	to 4.00	2.00	to 5.00
" " Ordinary	1.00	to 2.00	1.00	to 3.00
Hillingdon, Ward, Sunburst, Extra	2.00	to 4.00	3.00	to 5.00
" " Ordinary	1.00	to 2.00	1.00	to 3.00
Maryland, Radiance, Taft, Extra	2.00	to 4.00	2.00	to 5.00
" " Ordinary	1.00	to 2.00	1.00	to 2.00
Russell, Hadley, Ophelia, Mock	2.00	to 12.00	2.00	to 12.00
Carnations, Fancy	3.00	to 6.00	2.00	to 3.00
" " Ordinary	1.00	to 2.00	1.00	to 2.00

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J. K. ALLEN

Has removed to a more spacious and modern equipped store at 118
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CHOICE CUT FLOWERS

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Telephone—3532-3533 Madison Square

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A. J. GUTTMAN, President.

Wholesale Florists

101 W. 28th St., NEW YORK

We have 20 years' experience behind us.
Telephone, Madison Square 806 and 807.



Flower Market Reports

(Continued from page 665)

caused mostly by the Mothers' Day demand. The shipping trade seemed to feel the impetus most, as provincial points are evidently more in touch with this rather queer way of expressing filial feelings. In metropolitan centers the general thought is that every day is Mother's Day. But there is no accounting for the backwoods. So the trade takes the matter philosophically and shows itself equally alert to take advantage of a whim or a foible as of something legitimate for the marketing of their product. Somebody started a "clean-up-week." It is a sad reflection on householders. Every week ought to be clean-up-week. I wish somebody would start Return-Umbrella-Week. There would be a few coming to me. There was the usual scramble for white carnations, the usual salting and the usual heartburning. But most of the trade are now wise to the importance of talking other things besides white carnations first, last and all the time and thus the silly part of the effect is somewhat modified. Nothing much was left over at the wind-up except some long roses and other high-priced stock. Everything fairly good at moderate prices cleaned out well. And we regret to say that a lot of stuff that ought to have gone on the dump was thrown on the market, very much to the discredit of the trade. The innocent suffer as well as the guilty in the long run. Marketing rubbish is a very unwise policy. It disgusts the public and hurts future business.

The offerings in some lines were lighter the past week as a result of damage to outdoor stock by a severe three-day wind and rain closing April. At the same time the early May festivities created a little extra demand for cut flowers, which further relieved the condition of oversupply. Sweet peas are less plentiful, but there are plenty for the demand. Carnations are firmer in view of lighter supplies, and peonies were damaged to a considerable extent by the unfavorable weather, and it will be several days before the market is well supplied again. Iris is just beginning to come in in ample supply after a light cut for several days. Roses are being featured extensively in the window displays of the larger downtown establishments this week. Single Irish roses appear to excellent advantage, and a satisfactory demand is reported. Cecile Brunner continues plentiful, but with a good call and well maintained prices. Some fine gardenias are offered, and the market is well supplied with orchids. Gladioli have been retarded by the weather, but a large cut is expected shortly.

Mothers' Day business
ST. LOUIS was greatly curtailed owing to the sudden advance in retail prices from 15 cents a dozen to \$1.00 which was too steep for the public. In the West End they report business good for this day. It was the down-town florists who "got his" for his cheap sale the week before. The flowers that came in last week were not of high standard quality and especially so in carnations. Roses were excellent all through, also lilies and

PATRICK WELCH, WHOLESALE FLORIST

262 DEVONSHIRE STREET, BOSTON, MASS.

TELEPHONE MAIN 2698

American Beauties, Orchids, Valley, Carnations. All the novelties in the Cut Flower Market furnished on short notice. Prices quoted on application. No retail orders accepted. Flowers shipped out of Boston on early trains.

STORE OPEN FOR BUSINESS AT 6 A. M.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending May 8 1915		First Half of Week beginning May 10 1915	
Cattleyas	15.00	to 25.00	15.00	to 25.00
Lilies, Longiflorum	4.00	to 5.00	4.00	to 6.00
Rubrum	2.00	to 4.00	2.00	to 4.00
Lily of the Valley	1.00	to 2.00	1.00	to 1.50
Daisies	1.00	to 1.00	1.00	to 1.00
Stocks	1.00	to 3.00	1.00	to 3.00
Snaptagon	1.00	to 3.00	1.00	to 3.00
Iris	1.00	to 2.00	1.00	to 2.00
Gladioli	2.00	to 6.00	2.00	to 6.00
Calendulas	2.00	to 3.00	2.00	to 3.00
Sweet Peas	.50	to .75	.50	to .75
Corn Flower	1.00	to 1.00	1.00	to 1.00
Gardenias	2.00	to 10.00	2.00	to 12.00
Adiantum	.50	to .75	.50	to .75
Smilax	8.00	to 10.00	8.00	to 10.00
Asparagus Plumosus, strings (per 100)	15.00	to 35.00	15.00	to 35.00
& Spreng (100 bunches)	10.00	to 20.00	10.00	to 20.00

peonies. Carnations for Mothers' Day were many, but the sudden jump to \$5 per 100 for good quality when the same stock a week ago sold in 1000 lots at that figure was a bad stinger. Other stock did not show so great an advance. Business all through is not as good as it should be at this time of the year.

Retailers and wholesalers report a most satisfactory Mother's Day business. The out of town orders were exceptionally heavy and placed as they were several days in advance they served to clean up the market of white carnations and created a good demand for some few of the colors. There has also been a very good sale of expensive stock brought about by the horse show which is now in progress and by a number of society events and various benefits of a charitable nature, but the bulk of the stock for the latter is said to have been donated by charitably inclined retailers. The cool weather has caused a lessening of the quantities of stock. The stock seen here last week came from other points. Collections have improved somewhat, but money remains tight.

NEWS NOTES.

St. Louis.—J. J. Windler has succeeded his brother, Robert J., as proprietor of the retail establishment on South Grand avenue. R. J. Windler, with his family, left May 1 for Chicago, where he in future will make his home.

Newark, N. J.—Edward Larkin, a florist, seventy-one years old, was seriously hurt last Wednesday forenoon by being run down by a two-horse truck at the "Four Corners." Mr. Larkin was crossing the street and had reached the first car tracks, when the "honk" of an automobile horn caused him to jump backwards. He struck against one of a team of horses and fell to the pavement on his back, and a front wheel of a double truck, bearing a 600-pound load of waste paper, passed over his abdomen. He was taken to the City Hospital, where it was found that he had suffered internal injuries of a serious nature.

New York.—John B. Nugent announces that after June 1, his flower store will not open on Sunday under any circumstances. We understand that others are seriously considering a similar course. Mr. Nugent's place on West 28th street is being partially remodelled. A new glass refrigerator front, with mirrored back and an enclosure for ferns and palms are among the new features.

NEW CROP FANCY FERNS

\$1.25 per 1000

Special Inducements For

QUANTITY ORDERS

Contract Now For

DECORATION DAY REQUIREMENTS

I also handle the very best quality Huckleberry Foliage, Dyed and Natural Sheet Mosses. I am a new Firm in the Field but an Old-Timer in experience. Give Me a Trial.

I WILL PLEASE YOU

KNUD NIELSEN
EVERGREEN, ALA.

STUART H. MILLER WHOLESALE FLORIST

Nearly 14 years' experience. First year on our own. Watch us grow.

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be seen in N. Y. City. Right
to be seen in N. Y. City. Right
to be seen in N. Y. City. Right
to be seen in N. Y. City. Right

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BAY TREES—Standard and Pyramids.
All sizes. Price List on demand. JULIUS
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Lord & Burnham Co., New York City.

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Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made.
Write for list. HOLTON & HUNKEL CO.,
Milwaukee, Wis.

BOX TREES

BOX TREES—Standards, Pyramids and
Bush. In various sizes. Price List on de-
mand. JULIUS ROEHRS CO., Rutherford,
N. J.

BUDDLEIA VARIABILIS

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Begonias and Caladiums.

C. KEUR & SONS, HILLEGOM, Holland.
Bulbs of all descriptions. Write for prices.
NEW YORK Branch, 8-10 Bridge St.

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Plain, Mass.
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Canna Specialists.

Send for Canna book.
THE CONARD & JONES COMPANY,
West Grove, Pa.

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F. Dorner & Sons Co., Lafayette, Ind.
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CARNATION STAPLES

Split carnations quickly, easily and
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Staple, 1000 for 35c.; 3000 for \$1.00 post
paid. I. L. PILLSBURY, Galesburg, Ill.

Supreme Carnation Staples, for repairing
split carnations, 35c. per 1000; 3000 for
\$1.00. F. W. WAITE, 85 Belmont Ave.,
Springfield, Mass.

CEMETERY BOUQUET VASES.

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THE BEST 1915 NOVELTIES.

The Cream of 1914 Introductions.

The most popular Commercial and Ex-
hibition kinds; also complete line of Pom-
pons, Singles and Anemones. Trade list
on application. ELMER D. SMITH & CO.,
Adrian, Mich.

Chrysanthemum Rooted Cuttings—Chas.
Razer, Polly Rose, Ivory, Golden Glow,
Donatello, Halliday, Bonaffon, Unaka,
Pacific Supreme, Dr. Enguehard, \$15.00 per
1000. J. Nordin, Nicas White, Mrs. Syne,
Yonoma, Comeleta, Chrysobora, Roman
Gold, Appleton, Minnie Bailey, Wells' Late
Pink, Patty, Helen Frick, Harvard, \$17.50
per 1000. H. J. ROLFE, Hammononton, N. J.

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DAHLIAS

Send for Wholesale List of whole clumps
and separate stock; 40,000 clumps for sale.
Northboro Dahlia and Gladiolus Gardens,
J. L. MOORE, Prop., Northboro, Mass.

NEW PAEONY DAHLIA

John Wanamaker, Newest, Handsomest,
Best. New color, new form and new habit
of growth. Big stock of best cut-flower
varieties. Send list of wants to
PEACOCK DAHLIA FARMS, Berlin, N. J.

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DRACAENA

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Dracaena indivisa, extra heavy, 3 1/2-inch
and 5-inch, \$5.00 and \$20.00 per 100. Cash
F. SOKOL, College St., Worcester, Mass.

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FUCHSIAS

Fuchsias—Black Prince, Speciosa, double
purple and white, Rooted Cuttings, \$1.00
per 100; 2½-in., \$2.00 per 100.
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North Shore Nursery & Florist Co.,
Frank E. Cole, Mgr., Beverly Farms, Mass.

GERANIUMS—3½-inch pots, S. A. Nutt
and La Favorite, \$6.00 and \$8.00 per 100;
Poltevine Pink, \$8.00 per 100 in bud and
bloom. Cash. CHAS. H. GREEN, Spen-
cer, Mass.

Geraniums Nutt, Ricard, Poltevine; Eng-
lish Ivy, Heliotrope, 3½-inch, \$6.00 per 100.
Begonia Vernon, Salvia Bonfire, white
Marguerite, German Ivy, Dracaena indivisa,
3½-inch, \$5.00 per 100. Blue Ageratum,
double Alyssum, 3-inch, \$4.00 per 100.
Coleus Verschaffeltii, Golden Bedder and
other fancy varieties, 2½-inch and 3-inch,
\$2.50 and \$4.00 per 100. Geranium Sallerol,
3-inch, \$5.00 per 100. Vinca variegata, 3½-
inch, \$7.00 per 100. Dracaena indivisa, ex-
tra heavy, 5-inch, \$20.00 per 100. Alternan-
thera, red, yellow, 2-inch, \$2.00 per 100.
Cash. F. SOKOL, College St., Worcester,
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Gladiolus Bulbs on hand. America, Hal-
ley, Augusta, \$1.00 per 100. 50,000 (on boat
near Boston) of America, Halley, Princeps,
Hulot, Mrs. King, Pink Beauty, Lily Leh-
man. Get my prices. THOMAS COGGER,
229 Laurel St., Melrose, Mass.

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Greenhouse glass, lowest prices. JOHN-
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IVY

English Ivy Rooted Cuttings, 75c. per 100,
post paid. From soil 20 to 30 in., \$3.00.
From pots 12 to 15 in., \$4.00. CHAS. FROST,
Kenilworth, N. J.

JUNIPERUS SABINA VAR. PROCUMBENS
Mt. Desert Nurseries, Bar Harbor, Me.

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Choicest lawn shrubs, covering plants and
border perennials. Large stock. Prices
low. Any quantity. Send for list.

WYOMANOCK NURSERIES,
R. 7, Lebanon Springs, N. Y.

NUT GROWING.

The Nut-Grower, Waycross, Ga.
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PEONIES

Peonies. The world's greatest collection.
1200 sorts. Send for list. C. BETSCHER,
Canal Dover, O.

PECKY CYPRESS BENCHES

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Seele's Telescopic Plant Stakes and Trellises. H. D. SEELE & SONS, Elkhart, Ind.

PLANT TUBS

American Woodenware Mfg. Co., Toledo, O.
Tree Tubs and Brass Hoop Jardinieres.
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"Riverton Special"
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PRIVET

California Privet, 12 to 18 in., \$8.50; 18 to 24 in., \$11.50; 24 to 30 in., \$16.00; 30 to 36 in., \$20.50.

Annoir River North, transplants, \$10.00; 12 to 18 in., \$15.00; 18 to 24 in., \$20.00; 24 to 30 in., \$25.00 per 1000. Dormant, No. 1 stock in storage. Shipment the day order is received. VALDESIAN NURSERIES, Bostle, N. C.

RAFFIA

McHutchison & Co., New York, N. Y.
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RHODODENDRONS

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Rose Specialists.
THE CONARD & JONES COMPANY,
West Grove, Pa. Send for offers.

SEASONABLE PLANT STOCK

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Braslan Seed Growers Co., San Jose, Cal.

SEEDS

Carter's Tested Seeds,
Seeds with a Pedigree.
Boston, Mass., and London, England.
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Kelway's Celebrated English Strain Garden
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SKINNER IRRIGATION SYSTEM

Geo. N. Barrie, Brookline, Mass.
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SNAPDRAGONS**Thoroughly Tested Strains.**

Silver Pink, Golden Fleece, Pure white (winter bloomer). Rooted cuttings, \$2.00 per 100; potted plants, 2-inch, \$4.00 per 100.

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25 Hudson St., Lynn, Mass.

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Live Sphagnum moss, orchid peat and orchid baskets always on hand. **LAGER & HURRELL**, Summit, N. J.

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The Barrie Soap Sprayer.

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Orchids—Largest stock in the country—Stove plants and Crotons, finest collection. **JULIUS ROEHR'S CO.**, Rutherford, N. J.

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New Price List.
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THE ANGLE LAMP

Globe Gas Light Co., Boston, Mass.
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VEGETABLE PLANTS

R. Vincent, Jr. & Sons Co., White Marsh, Md.
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Celery Plants: Golden Self-Blanching (French strain), fine plants, ready now, \$2.00 per 1000. Cash. Special prices on large lots. **BRILL CELERY GARDENS**, Kalamazoo, Mich.

Warren Shinn, Woodbury, N. J.

VENTILATING APPARATUS

The Advance Co., Richmond, Ind.
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The John A. Evans Co., Richmond, Ind.
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Albany Cut Flower Exchange, Albany, N. Y.
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The S. S. Pennock-Meehan Co., 1216 H St., N. W.
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New Offers In This Issue**ASPARAGUS SEED AND FERN SPORES.**

Arthur T. Boddington, New York City.
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BEDDING PLANTS: YOUNG ROSES, CHRYSANTHEMUMS, CARNATIONS, ETC.

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SKINNER IRRIGATION SYSTEM.

Skinner Irrigation Co., Geo. N. Barrie, Mgr. Local Office, Brookline, Mass.
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WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "Care HORTICULTURE" should be sent to 147 Summer St., Boston.

FOR SALE

FOR SALE—Fresh from factory, new: 10 x 12, 16 x 18, 16 x 24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money. **PAB SHELSKY BROS., INC.**, 215-217 Havemeyer St., Brooklyn, N. Y.

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The unique monthly publication which furnishes reliable and interesting up-to-date information regarding the value of pecans and other edible nuts and how to grow them for profit.

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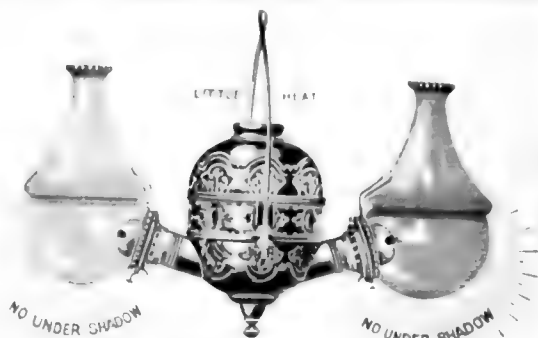
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The ANGLE LAMP

BURNS KEROSENE. Cannot explode, clog or be overturned. It gives a fine brilliant light, no smoke, odor or waste, as bright as gas or electricity, and better to read by. 32 varieties, 1 to 4 burners, from \$3.25 up. Write for Catalog H-1 Today.

FOR SALE BY

GLOBE GAS LIGHT CO., 27 Union Street,
Boston, Mass.



A FEW SHOP-WORN LAMPS AT A BARGAIN

ROCHESTER, N. Y.

The Rochester Chamber of Commerce has started a movement for the beautification of Rochester. The committee is known as the Flower City Committee of the Rochester Chamber of Commerce for the City Beautiful, and this committee has divided itself into ten districts, each district headed by a captain, with a sub-committee called a team. The movement has been received very enthusiastically by the press of the city, and has the co-operation of city officials, the endorsement of the Rochester Florists' Association, the Federation of Women's Clubs, and the clergy. Some of the larger corporations of the city have taken up the idea, and are not only going into beautifying their own properties, but are lending valuable aid to the movement by loaning the services of their expert engineers, etc. The landscape architects of the city, and the florists, as well as seedsmen are all taking up the idea and pushing it with vigor. There will be prizes offered for the general effect of lawns 50 feet and under, and 50 feet and over, and the best general effect of buildings in the business center of the city.

Of course, this idea has been carried out successfully in other cities, but Rochester is the first in this section of the State to take up such a movement in earnest. The committee has just gotten under way, and are holding meetings in various parts of the city, working through schools, churches and community centers, and while it is too

early to judge as to results, the indications are that Rochester in another year will be a more beautiful city than it is at the present time.

Another thing that will be of interest to readers of HORTICULTURE is the fact that the Rochester Exposition which is to be held the last week in August, and the first two weeks in September, has turned over to the Rochester Florists' Association and vegetable growers of central and western New York State building No. 5 150 feet in length, and 100 feet in width, for the purpose of a flower show and vegetable exhibition. Stationery is being printed, and the committee on the Flower Show is now at work, so that notice will be sent out to various growers and exhibitors in the very near future, interesting them in this coming show. There will be no charge for space to exhibitors, which should be a very attractive feature.

The idea is to bring as many growers and those interested in horticulture and floriculture as possible, together at Rochester, the last week in August, and from present indications they will see an exhibit of representative horticulturists that will class up very favorably to any shows given in the past.

FISHKILL, N. Y.

Fishkill still blooms on the map, although the old "Fishkill-on-Hudson" section has been set off as Beacon. We took occasion to slip up to Fishkill a few days ago and found it, as always at this season of the year particularly a veritable paradise. Apple trees were huge bouquets of pink and white, lilac in rare exuberance nodded a fragrant welcome over the rural fences and doorways and wisterias rollicked over piazzas and verandas in inimitable festoonry. We have written before about Wood Bros., Fishkill's leading horticultural establishment—their extensive range of plant houses, the central feature of a 50 acre tract of rich upland meadow, where bedding plants, young chrysanthemums, roses and carnations seem to find their ideal of pure air and stimulating elements.

We found business humming along as usual and seasonable young stock being crated for transportation East, West, North, South to florist buyers.

The bedding plant demand is fully up to the record this season, Mr. Wood told us, but the nursery trade (which with them is principally retail) has been rather slow. In the sales of young roses Hadley, Sunburst and Russell are prime favorites this year. Of the older kinds Bride and Bridesmaid still sell well, as does Sunrise. Hillingdon will be dropped from the list next season. The chrysanthemum sales hold up well, amounting to 150,000 young stuff this season. In carnations the interest centres largely about Matchless. In geraniums the old favorites—Nutt, Poitevine, Doyle, La Favorite, Ricard, etc.—still maintain their place, Harrison being preferred by some over Ricard; Rev. Wm. Atkinson single scarlet, Mme. Julien, semi-double pink, Mme. Chas. Molin, single salmon pink, Countess of Harcourt, double pure white and Mrs. E. G. Hill a grand single pink, are all placed in the first class by Mr. Wood. The propagating house has no empty spots or idle moments these days.

Washington, N. J.—The Warren, N. J. Tidings' Industrial Booster Edition, published May 5, gives an illustration of the greenhouses and grounds of Alonzo J. Bryan and a very complimentary descriptive article occupying a quarter page space. It refers to Mr. Bryan as a "wholesale florist with a national reputation," which is correct, as Mr. Bryan is a regular advertiser in HORTICULTURE. Mr. Bryan contemplates making many changes and improvements during the coming summer, which will greatly beautify and enhance the property when completed. The place comprises about 130 acres.

Do You

GROW ANYTHING?

If so you cannot afford to do without the

SKINNER SYSTEM OF IRRIGATION

Skinner Irrigation Co.

Local Office, BROOKLINE, MASS.

CUT YOUR EXPENSES

as well as your glass economically, effectively, "splinter-free" with

"Red Devil" Glass Cutters

No. 3-In-1 mailed for 25c. Kid Case Free. It's worth your while to test our claims.

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181 Chambers St., New York City

PINO-LYPTOL

THE VERY NEWEST AND QUICKEST METHOD OF DESTROYING WEEDS, GRASS AND OTHER GROWTH IN GARDEN WALKS, GUTTERS, TENNIS COURTS, DRIVEWAYS, ETC.

This fluid absolutely destroys all weeds and other growth wherever applied, and its effect on the ground prevents the growth of fresh ones for a year and thus saves a great deal of time and labor, as no cutting, hoeing or hauling away of the weeds is required.

We manufacture the strongest line of DISINFECTANTS on the market.

PINO-LYPTOL CHEMICAL CO.

455-457 West 26th Street, NEW YORK CITY
CORRESPONDENCE SOLICITED



NIKOTEEN For Spraying APHIS PUNK For Fumigating

ASK YOUR DEALER FOR IT.

NICOTINE MFG. CO. ST. LOUIS, MO.

Obituary

William Houser.

William Houser, a florist's assistant, died on May 4 at his home, 763 Seneca avenue, Brooklyn, N. Y. He was born in Brooklyn forty-eight years ago and is survived by an only daughter.

Charles E. Wadsworth.

Charles E. Wadsworth, twenty years a retail florist in Brooklyn, N. Y., where he was active in Democratic circles, died at his home, No. 197 Bridge street, that borough, on May 5. He was born in Newburgh, N. Y., in 1869, and is survived by a widow, one son and a daughter.

Mrs. F. W. Martin.

Mrs. F. W. Martin passed away at her home at 609 E. 40th street, Chicago, on May 5. Mrs. Martin was born in Hanover, Germany, Feb. 17, 1859, and came to this country when a young woman. She has been active in the greenhouse work and with her husband they have established a good business, only giving up her part of the work when illness came upon her eight months ago.

NEWS NOTES.

New Bedford, Mass.—Spring work is just opening up and promises well. Pansies are unusually fine and are selling well at very good prices. The more general observance of Mother's Day in this vicinity has been a great advantage to florists. It has created a great demand for cut flowers, especially carnations.

Amherst, Mass.—A gift of \$5,000 has been made to Amherst College by the will of the late Mrs. Eliza S. Tuckerman. It is to be known as the Edward Tuckerman Fund, in memory of her husband who was for some years a member of the Amherst College faculty, and will be used to increase the facilities for botanical study in the college.

LEMON OIL CO.'S STANDARD INSECTICIDE

Guaranteed under the Insecticide Act, 1910. Series No. 321

Save your plants and trees. Just the thing for Greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrip, Red Spider, Black and Green Fly, Mites, Ants, Insects on Rose-bushes, Carnations, etc., without injury to plants and without odor. Used according to directions our standard Insecticide will prevent ravages on your crops by insects.

Non-poisonous and harmless to user and plants. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pests. Excellent as a wash for dogs and other animals. Relieves mange.

Effective where others fail.

½ Pint...25c; Pint...40c; Quart...75c
½ Gal., \$1.25; Gal., \$2.00; 5 Gal. Can, \$9
10 Gal. Can...\$17.50

Dilute with water 30 to 50 parts.

For Sale by Seedsmen and Florists' Supply Houses

If you cannot obtain this from your supply house write us direct.

LEMON OIL COMPANY, Dept. K

420 W. Lexington St., Baltimore, Md.

Directions on every package



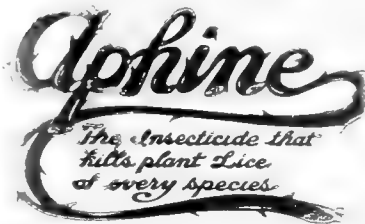
Unequalled for Greenhouse and Landscape Fertilizing

THE PULVERIZED MANURE CO.

31 Union Stock Yards, Chicago

BUSINESS TROUBLES.

Springfield, Mass.—Sidney A. Saunders, florist, 55 High street; liabilities, \$6,236.23; assets, \$4,711.64.



The Recognized Standard Insecticide.

A spray remedy for green, black, white fly, red spider, thrips, mealy bug and soft scale.
Quart, \$1.00; Gallon, \$2.50.

FUNCINE

An infallible spray remedy for rose mildew, carnation and chrysanthemum rust.
Quart, 75c; Gallon, \$2.00.

VERMINE

A soil sterilizer for cut, eel, wire and angle worms.

Quart, \$1.00; Gallon, \$3.00.

SCALINE

A scallicide and fungicide combined for San Jose and various scale on trees and hardy stock, and various blights which affect them.

Quart, 75c; Gallon, \$1.50.

NIKOTIANA

A 12% nicotine solution properly diluted for fumigating or vaporizing.

Quart, \$1.50; Gallon, \$4.50.

If you cannot obtain our products from your local dealer, send us your order and we will ship immediately through our nearest agent.

Aphine Manufacturing Co.

MADISON, N. J.

GEO. A. BURNISTON
President

M. C. EBEL
Treasurer

SCOTCH SOOT

Where there is a house that is just full of buds almost ready to show color, nothing will turn better color into the flowers than a little soot, that can be scattered over the benches before watering. The amount applied should not be excessive, as the soot is very strong and may damage some of the foliage somewhat. Apply just enough to blacken the surface of the soil in the benches, and let it go at that. Better a little oftener than too much all at once.

We offer the genuine in original cwt. Sacks, at:
\$4.00 per 112 lbs.; \$17.50 per 560 lbs.

Stumpp & Walter Co.

30-32 Barclay Street, NEW YORK

Cocoanut Fibre Soil WAR

Does not stop the use of Humus. All seedsmen keep it in stock. It is the last word in Fertilizing Humus. Send for Prices.

20th CENTURY PLANT FOOD CO.

27 & 29 OCEAN ST.,

BEVERLY, MASS.

Aetna Brand Tankage Fertilizer

Is the best balanced Fertilizer on the market, and is giving satisfactory results wherever used.

Farmers and Florists Fertilizer Company
809 Exchange Ave., Room 5, U. S. Yards,
CHICAGO, ILL.
Telephone—Drover 1932.

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Pot Makers for a
Century and a Half**HEWS STANDARD POTS**World's Largest
ManufacturersWrite for Catalogue
and Discounts**A. H. HEWS & CO., Inc., Cambridge, Mass.**Warehouses:
CAMBRIDGE, MASS.
NEW YORK, N. Y.**THE SKINNER IRRIGATION CO.**

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announce the establishment of their Boston Sales Division at
33 Station Street, Brookline, Mass.Complete Stock
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OF IRRIGATION.Let Us
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You in Solving
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No.	Diam.	Ea.	Doz.	100
10	20 in.	\$1.45	\$16.00	\$130.00
20	18 in.	1.30	14.00	115.00
30	16 in.	1.00	11.25	92.00
40	14 in.	.85	7.00	56.00
50	12 in.	.45	5.00	40.00
60	10 in.	.38	4.00	32.00
70	8 in.	.30	3.50	28.00

Manufactured for us exclusively. The best tub ever introduced. The neatest, lightest and cheapest. Painted green, with electric welded hoops. The four largest sizes have drop handles.

HENRY A. DREER, Seeds, Plants, Bulbs, and Supplies, 714 Chestnut Street, Philadelphia, Pa**GREENHOUSES BUILDING OR
CONTEMPLATED.**Barre, Vt.—Geo. B. Chase, one house.
Manasquan, N. J.—George Gregory, rebuilding.

North Bergen, N. J.—Henry Schmidt, two houses.

Oakmont, Pa.—A. H. Lanser, King house 18 x 75.

San Francisco, Cal.—C. H. Totty, Madison, N. J.

Parkerford, Pa.—W. H. Fox, King house 48 x 100.

Media, Pa.—A. C. Broadbelt, King house 30 x 125.

Bridgeport, Ct.—John Reck & Son, house 39 x 250.

Morton, Pa.—Highland Rose Co., King house 42 x 150.

Wilmington, Del.—M. F. Hayden, King house 42 x 100.

Lansdowne, Pa.—W. A. Leonard, King house 40 x 300.

Kankakee, Ill.—Gus Raasch, Moninger house 36 x 200.

Sioux City, Ia.—J. Kranameyer, additions contemplated.

Patchogue, L. I.—J. K. Vanderveer, Jr., King house 46 x 130.

Spoonk, L. I.—South Shore Floral Co., King house 35 x 150.

Chalfont, Pa.—Chalfont Cut Flower Co., King house 35 x 125.

Bayside, N. Y.—Chas. Thienel, Lord & Burnham house 25 x 151.

Elmhurst, Ill.—Meyer & Dramm, 2 rose houses each 42 x 400.

Nantucket, Mass.—H. H. Voorneveld, house 24 x 48, L. & B. construction.

Marlboro, Mass.—Walter P. Frye, Lord & Burnham conservatory 25 x 75.

Worcester, Mass.—F. H. Dewey,

**Hotbed Sash at 75c each**

Made of best grade Gulf cypress.

Glazed Hotbed Sash from \$1.65 up.

Double Light Sash up to \$4.00.

We carry a large stock of all sizes.

Write us for estimate.

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1359-1385 Flushing Avenue BROOKLYN, N. Y.

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IRRIGATION**

We lead the world in overhead irrigation of all kinds. Send for revised edition of our booklet "Modern Irrigation," and literature describing our circular irrigation sprinklers, the Campbell Automatic and Campbell Turbo-Irrigator, and the new Automatic Oscillator for overhead pipes.

J. P. Campbell

240 Union Terminal Building, Jacksonville, Fla.

Lord & Burnham conservatory, 16.8 x 18.

Marblehead Neck, Mass.—R. E. Traiser, Lord & Burnham conservatory 25 x 66.

Manchester, N. H.—Walter M. Parker, Lord & Burnham conservatory 18 x 35.

Germantown, Pa.—J. F. Zieger & Sons, King house 42 x 100 and lean-to 8 x 100.

Hartford, Conn.—John Coombs, double span rose house, 58x420; Hitchings & Co. construction.

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Furlin*

*Angle Iron
Furlin*

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Mr. Schumann on the pipe purlin then on the bars, and put into the wood and before you know it, the house is broken. The bars up and down and you know it. The most of it is ten chances to one that it is broken.



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Vol. XXI
No. 21
MAY 22
1915

HORTICULTURE



Roses on the Porch

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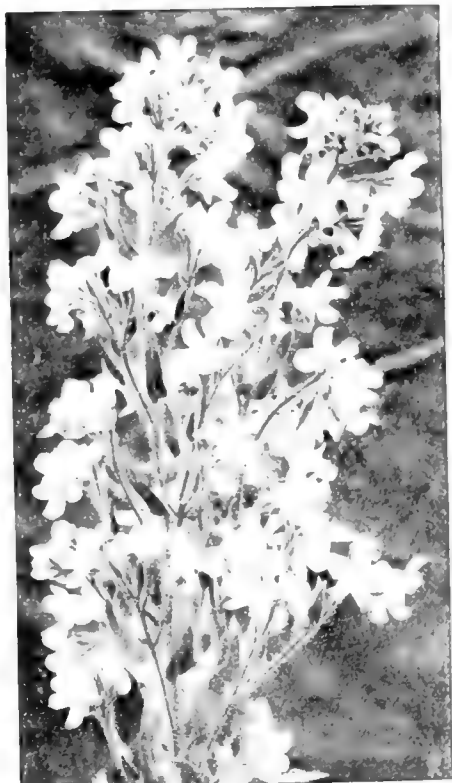
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NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil."—*Pope*.

Bay Trees, Box, Etc.

Those that are rather pot-bound can have some weak liquid feeding once a week which will greatly help them to make good wood and foliage. When bay-trees have not been potted for two or three years and want more root room now is a good time to give them a shift. Use any good heavy loam with a little decayed cow manure and bone meal. Where the bays look brown and are out of shape they should be carefully trimmed to induce a new growth. They should be plunged outside where they will be convenient to water so the hose can be played on them freely during the summer. A little liquid manure will help them. This treatment can be given to all pot or tub evergreens, such as hollies, laurels, araucarias, aucubas and yews.

Chrysanthemums

The question of soil in benching chrysanthemums is perhaps not of so much importance as it is for roses or some other crops. The more fiber there is in the loam the more we like it, as it is almost impossible to make such soil sour by watering and the first thing to do, above all others, is to get a good rooting medium even though the soil may incline to be poor because when there is good strong root action feeding can easily be applied in liquid at any stage. Fill the bench level and then after the soil settles there will be ample room for watering at all seasons. The earlier they are planted the better. It is not too early at any time.

Ericas

Climatic conditions in most sections of this country make erica culture very difficult and a risky business. We have neither the soil nor the humid atmosphere in which they delight in Great Britain. Most of the species have now done flowering, and the next move is a severe cutting back of the plants. This should be done before the new growth starts too much. All the long canes and the old wood are cut away, merely leaving short stumps of one or two inches in length. In a temperature of about 50 degrees the new growth will soon start from these remaining stems and when the break is completed is the proper time for transplanting. Some of the old soil is taken off and the plants go into new pots, which should be more wide than deep, like azalea pots. Plenty of drainage material should be placed in the bottom. I have found well-fibred, turf-like, sandy

soil, six months old, roughly broken up and mixed with a goodly quantity of spent hot bed manure to be the best mixture. Frequent syringing is essential, but in watering great care should be taken not to overdo it.

Flowers For Memorial Day

It is a hard proposition to hold lilies back where they have been allowed to advance too much up to now. Place them in a house where they can have plenty of ventilation with a good syringing on bright days. Fumigate weekly for aphids. For hydrangeas 55 degrees night temperature is to be preferred, but in case they are late give them 10 degrees more for a time. Spraying overhead on clear days will greatly refresh them. They will take water in great abundance and manure water can be applied two or three times a day until the flowers are well out. Benches containing ten weeks' stocks, gladioli, snapdragons, candytuft and other Memorial Day crops should be scratched over at least once a week and have all weeds removed. *Spiraea japonica* and its various forms should be brought along now. 55 to 60 degrees at night will suit them better than a higher one.

Forcing Lily of the Valley

Lily of the valley will do fine after May in frames. All that is necessary is a well built close frame. Put six inches of sand over the manure and plant the pips as you would in the greenhouse. The frame can be partitioned so that two or more batches can be kept coming on. Keep close and dark until the stalks are half grown. Then gradually increase the light. Don't overdo the heat or you will get leggy stalks. Use no water overhead after the flowers are expanding for fear of spotting them. At this season there is less danger from this cause than in winter. It takes about three to four weeks to flower lily of the valley, provided the proper bottom heat and top temperature can be given. For June cutting when the demand is quite heavy a frame should be prepared at once. See that they are kept nice and moist at the roots.

Ventilation

At this time of the year close attention must be given to ventilation. It is very easy to ruin a lot of stock by neglecting this. On all bright days start early in the morning by putting on air. All houses that are growing cool stock should have it on all night.

Next Week: Amaryllises; Cymbidiums; Dahlias; Outdoor Sweet Peas; Violets; Sowing Late Annuals.

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HORTICULTURE

VOL. XXI

MAY 22, 1915

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University graduation exercises will take place on June 7 and for the first time in the history of the College the girls will contrast the recipients of floral gifts from their friends. At a class meeting it was decided that to be done away with. It seems hardly credible that a class of normally constituted young women should take such action and it certainly suggests that the girls of today are drifting away from the old moorings and must be deficient in the finer tastes which graced their mothers when the charm of flowers to them makes irresistible appeal to them. Simultaneously comes the information that Harvard students who dine at Memorial Hall have this spring established the precedent of decorating their tables with lilacs, sweet peas and other flowers every day. This seems like reversing the old order of things. The young men deserve commendation on their exhibition of refined sense and good taste. As for the girls—well nobody can predict what they will do next!

A campaign well started

The list of local amateur organizations that have come into affiliation with the American Rose Society as given in this issue, looks very encouraging and bears the stamp of practicability as a solution of the long-standing problem of how to secure the joint support of both amateur and trade interests. HORTICULTURE earnestly advocated this plan a number of years ago and we are pleased to see it adopted and put into operation so effectively as the information now given out by Secretary Hammond seems to indicate. By this course no less than five hundred enthusiastic new adherents are acquired and without any disturbance of existing methods or of the active professional element in the central body, without whose unswerving loyalty and ever-ready generosity the American Rose Society would long ago have passed into oblivion. It is reasonable to assume that with judicious handling of the situation as it now takes form, many more affiliating groups may be constituted throughout the entire country and the resultant benefit to the commercial rose industry will be well worth all its costs.

Memorial Day

No occasion in the year carries a finer human sentiment and none more appropriately suggests the profuse use of flowers than does this essentially American holiday. Instituted originally by a people overjoyed in the attainment of peace after a terrible civil war, in grateful recognition and honor to the memory of those who had given up their lives in the service of their country, the custom in time took on a wider significance until it has become a firmly established perpetual annual observance in remembrance of the dear ones who have been taken from us. This is no florist-made holiday. It had its birth in the hearts of the people and no florist has ever thought it necessary, so far as we know, to beseech the public to prove to the world their patriotism or their remembrance by buying some of his flowers. But there are many ways in which the florist may assist to inspire the people in his community with a greater appreciation of the eminent fitness of fresh flowers and blossoming plants for this hallowed celebration in the midst of the spring glory. We are told that there are many localities where Memorial Day is accorded a very scanty observance. It should not be allowed to so continue. The people are all right at heart on this subject, but they need a little waking up, not, however, by means of advanced prices or embalmed flowers, or metal wreaths or window-card admonitions of duty. "Where there's a will there's a way."

CLUBS AND SOCIETIES

AMERICAN DAHLIA SOCIETY.

As briefly announced in our last issue, on May 10th in New York a group of twenty dahlia enthusiasts met and formed an organization under the name of the American Dahlia Society.

The purpose of this organization will be to promote knowledge of the dahlia and gain for this flower the recognition that it deserves from the American people. It is the intention of the organization to issue an information bulletin from time to time to its members and to hold at least one National Show each year which will be supported by local shows throughout the country at that period of the year which is most favorable to the showing of dahlias in that locality.

Richard Vincent, Jr., of White Marsh, Md., was elected president and Joseph J. Lane of The Garden Magazine, New York City, was elected secretary. Four vice-presidents were elected—George L. Stillman for the East, E. Stanley Brown for the North, L. K. Peacock for the South and W. W. Wilmore for the West.

This organization plans to hold a Dahlia Show in New York City during the month of September of this year. Members joining before September 1, will come in as charter members. Further information may be obtained by writing to the secretary.

Minutes of Meeting at Grand Hotel, New York.

The meeting was the outcome of diligent work carried on by Richard Vincent, Jr., of White Marsh, Md., since the flower show which took place in New York a few months ago. At that time the idea came to Mr. Vincent for a national organization devoted to the promotion of knowledge of the Dahlia in this country and after writing to 150 people he received such enthusiastic response that he felt encouraged to call a meeting for organization and the gathering on Monday was the result.

Among those present were—E. Stanley Brown, Dahlia Farm, East Moriches, L. I., N. Y.; F. H. Hall, Editor and Librarian of Experiment Station at Geneva, N. Y.; J. Harrison Dick, Florists' Exchange, New York City; Harry A. Bunyard, President N. Y. Florists' Club, New York City; George Stillman, Grower, Westerley, R. I.; James Kirby, Huntington, L. I.; P. B. Rigby, New York City; William J. Stewart, Editor HORTICULTURE, Boston, Mass.; I. H. Hendrickson, of John Lewis Childs Co., Flowerfield, N. Y.; M. C. Ebel, Gardeners' Chronicle, Madison, N. J.; Hugo Kind, Hammondton, N. J.; Frank R. Austin, Tuckerton, N. J.; James Duthie, Oyster Bay, N. Y.; John W. Merritt, Farmingdale, L. I., N. Y.; J. Austin Shaw, Florists' Review, Brooklyn, N. Y.; J. R. Benjamin, Calverton, L. I., N. Y.; L. K. Peacock, Peacock Dahlia Farm, Berlin, N. J.; George W. Kerr, Doylestown, Penn.; John S. Vincent, White Marsh, Md.; R. Vincent, Jr., White Marsh, Md.; J. J. Lane, Garden Magazine, New York City.

Great enthusiasm prevailed through-

out the meeting, which augured well for the success of this new organization. A constitution was adopted at this meeting and the following few facts taken from the constitution may prove of interest to the readers.

There are three types of membership—active, associate and honorary. Dues of the organization are as follows—Initiation fee \$1.00. Annual dues shall be \$2.00 for active membership and \$1.00 for associate membership, which amounts will be payable in advance. Those members joining before the annual meeting in September will be accepted as charter members. An honorary member shall be such person as by financial or other contribution to the advancement of the interests of this society shall be considered worthy of the honor by the executive committee.

A list of officers are as follows—President, Richard Vincent, Jr., White Marsh, Md.; Secretary, Joseph J. Lane, Garden Magazine, New York; Treasurer, Frank R. Austin, Tuckerton, N. J.

Executive Committee—George W. Kerr, I. H. Hendrickson, James Duthie, John S. Vincent, Hugo Kind.

Committee on Nomenclature—E. Stanley Brown, James Kirby, L. K. Peacock, Leonard Barron.

MASSACHUSETTS HORTICULTURAL SOCIETY.

The annual May Exhibition at Horticultural Hall, Boston, on Saturday and Sunday, 15th and 16th inst., was up to the standard of its predecessors in the display of late flowering tulips, calceolarias, narcissi, etc.

F. J. Dolansky won a silver medal with an exceptionally fine display of *Cattleya Mossiae* and E. B. Dane got a similar award for *Brasso-Cattleya Warneri*. A cultural certificate was given William Thatcher, gardener to Mrs. J. L. Gardner, for superior cultivation of *Clarkia elegans* var. Orange King. S. R. Cowey received a certificate of honorable mention for display of zonal pelargoniums and carnations. The principal exhibits were from the leading private estates, including E. A. Clark, Mrs. C. G. Weld, Mrs. Lester Leland, Miss Cornelia Warren, Weld Garden, Faulkner Farm, Mrs. Frederick Ayer, Wm. Whitman, A. W. Preston, Mrs. J. L. Gardner; also A. M. Davenport and James Wheeler in the trade.

TEXAS STATE FLORISTS' CONVENTION.

Notice the change of date of the Texas State Florists' Association's Convention at Ft. Worth, Texas. Due to the fact that this date conflicted with other State meetings, and as a number of the florists in the State felt that a week earlier would be of better advantage to the florists in general, the date has been changed from July 13 and 14, to Tuesday and Wednesday, July 6 and 7. We feel that this date will give us better attendance—therefore we make the change.

AMERICAN ROSE SOCIETY.

At the Executive Committee meeting of the American Rose Society held in New York City, May 10th, the registration of the new rose—Champ Weiland—was ordered published. The description of it is as follows by Messrs. Weiland & Risch, Chicago:

"A sport of Pink Killarney, originating in our establishment at Evanston, Ill., and under deepest scrutiny for the past three seasons. Buds large and full. Color a bright clear glistening pink, inner and reverse side of petals identical and fadeless. More free than the parent and more sweetly scented. Foliage of a glowing reddish character prevalent from planting time to end of season. It may be said that this rose represents a distinct advance in growth and grandeur over any of its predecessors."

According to the rules adopted by the American Rose Society for registration of new roses, at the end of three weeks if there is no objection received it will stand as a registered variety.

The June Rose Show to be held in Bronx Park was a matter of discussion and it was resolved to offer one silver and two bronze medals as special prizes in addition to the regular prizes offered in the schedule of the New York Horticultural Society, that is, to offer these three medals as sweepstake prizes for the following:

A silver medal for the best collection of outdoor grown roses.

A bronze medal for the best vase of hybrid teas outdoor grown.

A bronze medal for the best vase of hybrid perpetuals outdoor grown.

The matter of affiliated societies was considered. The societies that have already joined under the present arrangement are: The Syracuse Rose Society, Rev. E. M. Mills, president, with 244 members; Garden Association of Newport, R. I., Dr. Roderick Terry, president, with 100 members; The Newport Garden Club of Newport, R. I., Mrs. C. F. Hoffman, president, with 50 members; the Brooklands Rose Society of Brooklands, D. C., Mrs. Carrie Harrison, secretary, with 39 members; the Country Club of Joplin, Mo., Burt W. Lyon, president, with 72 members.

BENJAMIN HAMMOND, Sec'y.
Beacon, N. Y., May 15, 1915.

HOLYOKE AND NORTHAMPTON FLORISTS' AND GARDENERS' CLUB.

This club held its May meeting, May 11, in the Gallivan Bros. greenhouse at Smith' Ferry. A large attendance was present to hear Mr. N. Hennessey, of Northampton, read a paper on "Violet Culture." Mr. Downer, of the Smith College greenhouses exhibited some specimens of "Chinese Lantern plants."

During the evening the members of the club presented Mr. and Mrs. Daniel J. Gallivan with a large cut glass dish. E. J. Canning making the presentation speech. Mrs. Gallivan served a dainty buffet lunch.

The June meeting will be held with O. D. Allyn, of Holyoke, Mass.

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MAINE

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

This club held its regular monthly meeting on May 18. It was decided that a "Strawberry Festival" be held in June, fee 50c., admitting lady and gentleman. The date of the annual picnic was definitely fixed on July 22 at Cushing Park, E. Milton.

After regular routine business, Prof. Arno H. Nehrling, of the Massachusetts Agricultural College, gave an extremely interesting talk on "Horticultural Education." He graphically traced the history of floricultural education in the United States from its beginnings in the 18th century up to the present time, when societies, trade papers, schools and colleges are creating a national spirit of keen interest and enthusiasm in matters floricultural. Prof. Nehrling then described the work at the Massachusetts Agricultural College and expressed a hope that the present equipment would be increased shortly to meet the demands of the students. He completed his talk with an earnest appeal to the floriculture industry of Massachusetts for its moral and material support.

Although the attendance was rather small, the members present were much interested in Prof. Nehrling's lecture and an active discussion arose at its close.

There were but two exhibitors, Alex. McKay, gard. for E. A. Clark of Jamaica Plain, showed some fine specimens of hydrangeas and calceolarias. W. N. Craig displayed a handsome odontoglossum.

WESTCHESTER AND FAIRFIELD HORTICULTURAL SOCIETY.

At the regular monthly meeting, May 14th, schedules for the summer exhibition were distributed. The exhibition will be held in the Town Hall, Greenwich, Conn., June 18-19. Fifty-five classes are provided for. Copies of schedule may be obtained from the secretary. The fall show committee reported progress and a preliminary schedule was read that will be of interest to all exhibitors. It was voted to hold the annual outing at Edward's Rye Beach Inn, the date to be announced later. Among the visitors was Harry Turner of the Morris Nursery Co., who made a few commendatory remarks. A paper on Dahlia Culture was read by P. W. Popp.

The exhibits of the evening were of high quality. The awards are as follows: Calceolaria, from Jas. Stuart, cultural certificate; Eucharis amazonica, from Wm. Morrow, hon. mention; tulips, from Robt. Williamson, and A. Whitelaw, hon. mention; Calceolaria, from Jas. Linane, hon. mention; Aralia cordata, from J. Guerenonsprey, hon. mention; Halesia tetraptera and dwarf calceolaris, from P. W. Popp, flowering shrubs and perennials from Dehn & Bertolf, vote of thanks to each.

LENOX HORTICULTURAL SOCIETY.

The Lenox Massachusetts Horticultural Society held their monthly meeting on Wednesday, May 12th, when George H. Instone, who has been secretary for the past eight years, tendered his resignation. As Mr. Instone

had left the neighborhood his resignation was reluctantly accepted. S. Carlquist spoke in high terms of the service Mr. Instone had at all times rendered, and made a motion that in appreciation of the same the Society make him a life member, which was unanimously carried.

The campaign against the tent caterpillar resulted in the children of the neighborhood collecting 24,900 egg clusters. Oliver Lines, orchid grower for Mr. Arthur Cooley, was awarded a first-class certificate for *Odontoglossum crispum Xanthoides Charlesworthii*. Edward Jenkins was awarded a diploma for a display of novelty sweet peas. Mr. Jenkins who gave a lecture on "Horticulture Miscellany," had an appreciative audience and a good and lively discussion followed.

John Carman was unanimously elected secretary.

CONNECTICUT HORTICULTURAL SOCIETY.

The society was treated to an unusually fine exhibition of tulips and hardy flowers and shrubs at its regular meeting Friday evening, May 14, the display being staged by President Warren S. Mason and by ex-President John F. Huss, each of whom received a first class certificate. The collection of Mr. Mason contained such tulips as *Physche*, *Edne*, *Clara Butt*, *Baroness de Tonnegge*, *Glow*, *Pride of Haarlem*, *Parrot*, *Madam Kielage*, *King Harold*, *Isis* and *Rembrandt*. The exhibit of Mr. Huss was composed of primulas, polyanthus and other gems of the spring garden.

Much interest was manifested in the

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June Flower Show to be held on the 10th, in Unity Hall, Pratt street, Hartford. The committee in charge is made up of G. H. Hollister, Ed. A. Brassill, J. M. Adams, C. O. Becher, William Deming and Alfred Dixon. The entire profits of this exhibition will be turned over to the Union for Home Work, a local charitable organization.

The next meeting, May 28th, will be "Hardy Perennials" night.

ALFRED DIXON, Sec'y.

ST. LOUIS FLORIST CLUB

The St. Louis Florist Club held a very interesting meeting on Thursday afternoon, May 13th, in Odd Fellows' Hall. Ex-President W. J. Pilcher, presided over the meeting. All committees reported progress. The trustees were instructed to prepare plans for the annual picnic during the month of July. The committee who has the arrangements in hand for the American Carnation Society meeting, January 26-27, 1916, were invited to meet with the County Growers' Club on Wednesday, June 2. Chairman Fred Ammann accepted the invitation for the committee. This meeting will take place at Hugo Gross' place in Kirkwood.

Letters from President Welch of the S. A. F., and the Cleveland Florist Club were read with interest and filed for later reference. Delinquent members were given until next meeting to pay dues. The next meeting, June 10th, will mark the 29th anniversary meeting of the club and plans are being made to entertain the members.

SOCIETY OF AMERICAN FLORISTS.

S. A. F. Convention Gardens.

Applications for space in the Convention Garden of the Society of American florists at San Francisco continue to come in, and some of the exhibits are already being installed. C. W. Ward, of Eureka, Cal., and Queens, N. Y., will make a display of annuals and flowering plants. Frank Pelicano, of Pelicano, Rossi & Co., has taken space for a fine collection of dahlias. The Santa Barbara Nurseries will install a collection of ornamental plants. An exhibit of dahlias and peonies will be made by Fred Grohe, of Santa Rosa, Cal. Early flowering chrysanthemums will be shown by Chas. H. Totty. W. Atlee Burpee has reserved space for a fine collection of sweet peas. Cinerarias will be re-

placed from time to time with other plants by E. James, of Elmhurst, Cal. Richard Loring, of San Rafael, will display dahlias. Domoto Bros. will make a big display of Japanese trees and shrubs. A special line of ornamental plants and oranges in tubs will be shown by the Fancher Creek Nurseries, Fresno, Cal. An exhibit of new dahlias will be made by Henry A. Dreer, Philadelphia. Henry Turner, of Montebello, Cal., has installed a large display of rose September Morn. The MacRorie-McLaren Co. will exhibit plant material used in landscape work in California, the display being arranged more to show the different specimens than for landscape effect, as the varieties are too numerous to permit of such an undertaking in the limited space. Other exhibitors will be mentioned later.

Department of Plant Registration.

Public notice is hereby given that The Conard & Jones Company, West Grove, Pa., offer for registration the canna described below. Any person objecting to the registration or to the use of the proposed name, is requested to communicate with the secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

Raiser's description:—Mrs. Alfred F. Conard × Venus. This remarkable canna produces flowers in great profusion on erect branching stalks. Color of flower a rich, glowing pink, deeper than Mrs. Alfred F. Conard. Early bloomer, very free. Green foliage. Height 3½ feet.

Name:—"City of Portland."

JOHN YOUNG, Sec'y.

May 15, 1915.

HORTICULTURAL SOCIETY OF NEW YORK.

An exhibition of this society, in co-operation with the American Rose Society, will be held on Saturday and Sunday, June 5th and 6th, in the Museum building, New York Botanical Garden, Bronx Park. The features will be roses and peonies. Schedules will be sent on application to the secretary, George V. Nash, New York Botanical Garden, Bronx Park, N. Y. City.

The American Rose Society offers the following medals as sweepstake prizes: silver medal, for the best collection of outdoor grown roses; bronze medal, for the best vase of outdoor grown hybrid teas; bronze medal for

the best vase of outdoor grown hybrid perpetuals.

An invitation is extended to all lovers and growers of hardy roses to take part in the exhibition. And to those interested in the peony a like invitation is extended. Premiums are also offered for exhibits not provided for in the schedule.

GEORGE V. NASH, Secretary.

NEW ORLEANS FLOWER SHOW.

The exhibition given under the direction of the New Orleans Horticultural Society, both from the standpoint of exhibits and interest taken by the public, was a gratifying success. Financially it is not unlikely that there will be a surplus. Any surplus is to be divided among the several ward leagues having in charge the direction of the "City Beautiful Campaign" in the several sections of the city.

The measure of success already assured, according to Peter A. Chopin, president of the New Orleans Horticultural Society, assures the repetition of the event every spring. Future shows, said Mr. Chopin, speaking for the association, will far out-do the recent one, for in future there will be more time to grow exhibits. The present show was arranged on short notice in connection with the "City Beautiful" movement and so was not so thoroughly prepared for as it might have been otherwise.

Instead of being an exhibition of rarity and so of interest chiefly to those well versed in flowers it was what it started out to be, a massed illustration of the uses to which flowers may be put in making homes more beautiful. Landscape work, beds, both foliage and flowering, window boxes and hanging baskets were largely featured.

One of the big features of the exhibit, a miniature bungalow with garden attached and showing the use of window boxes and hanging baskets and all other floral artistry applicable to homes, was shown by Peter A. Chopin. Mr. Chopin also displayed a fine bank of hydrangeas as an entrance attraction. Newsham & Scheurmann showed orchids and a bridal arch of smilax, roses and orchids. A bridal bower by J. Reyes & Co. was a prime attraction. Carpet beds of foliage, plants were arranged by A. V. Dammara, American Beauty roses and ferns by Abele Bros., and Bermuda

DECORATION DAY

Spirea, 40,000; Carnations, 100,000; Roses, 75,000. All other seasonable flowers in quantity unlimited and quality unsurpassed. Full line of Decorative Greens, Wire Designs, Sheaves, Cycas, Boxes, Wreaths, Doves, Ribbons, etc., etc.

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and back to the garden by H. E. Doerschel, T. J. Seino, showed plants and pot-holders.

Chas. Eichlmair's pot-holders garden, with its urns laden with blossoms and foliage, and the arch to the entrance covered in verdure and blossoms outlining the word City Beautiful, represented a splendid idea and was well worked out. Red and white blossoms were the only color used in this feature of the Avenue Floral Company's display. The background was made of palms and other foliage plants.

Carpet beds by E. A. Fraley and Mr. Kraak, plant groups by Mrs. J. H. Menard, home grown araucarias and ficuses by A. Verlinde and M. Vandereeken, hardy plants by Steckler Seed Co., day-blooming cereuses by M. Wichers, and geranium groups by F. X. Becker were some of the notable things shown. The exhibition lasted from Thursday till Sunday afternoon.

BLOSSOMS OF PEACE.

The Spirit of Peace to the world came,
The children of men and the world with
its flame,
The drums were silent, the bugles
were still,
The stars were silent and the moon
was dim,
The swords that were pointed at it
were not with rust,
Were broken and tarnished and ground
in the dust;
And she gazed with a tear at the blue
and the grey,
Where the stars were dark and the
stars they
lay.

She came from the forest to give them a
mass,
While she wove them a pall of the daisies
and grass;
She fastened of violets and lilies for the
swords,
For better lips and hands and the
swords,
And out of the forest of the
grave
Came a child of the forest and the
wife;
And her name was peace and she
died,
The name of peace and she
died.

She bade from the forest the woodpeckers
come,
And the birds of the forest
drum;
Then, calling the wood thrushes brown, on
the
She gave them the bugles that herds had
played,
The trumpets she hung on a slender green
vine,
That she taught her the door of a cottage
to
And when she had done her
and
Her name in white clover, her labors were
done.

Monet's Song.

TO INCREASE FLOWER SALES.

Every day during the year has its myriad of birthdays, anniversaries, weddings, funerals, etc., when flowers should be the leading gift. Not to mention the great holidays when the mails and express are loaded with gifts of every kind except flowers there are abundant occasions to use up all the flowers that are grown and more, if the public could only be made to realize it. Any proposition which tends to a wider and more thorough distribution of the product of the flower growers always appeals to us and we are glad to welcome it and accord such support as lies in our power.

The National Floral Corporation has an announcement in this paper which seems to present a practical means to this end, in well-organized, economical and efficient manner. Its avowed object is to educate the public to give more flowers, to send flowers out of town and to enable them to thus send them anywhere and everywhere by a business-like arrangement with one approved florist in every city and town in every state in the country. The literature of this organization which we have seen bears every mark of a well-considered and well-matured enterprise and will deeply interest every florist however big or however little he may be. From the very fact that only one florist will be chosen in each community to be a direct beneficiary in this arrangement an immediate application by those interested is advisable.

CULTIVATION OF MEDICINAL PLANTS.

Any agriculturist interested in the cultivation of medicinal plants may obtain a copy of an interesting paper, including an extensive bibliography, read by Dr. Fred B. Kilmer at the 1915 meeting of the National Association of Manufacturers of Medicinal Products, by sending his address and a two cent stamp to cover postage to C. M. Woodruff, secretary, 475 East Grand Boulevard, Detroit, Mich.

The Executive Committee of the Gladiolus Society of Ohio authorizes the announcement that the next Annual Exhibition and Flower Show to be held by the society, will be given in the assembly rooms of the Hollenden Hotel, Cleveland, Ohio, August 13-14, 1915. An attractive premium list is now in course of preparation, and a fine display is confidently expected.

WILBUR A. CHRISTY, Sec. and Treas.

MEMORIAL TO THE LATE GEORGE DICKSON.

The Secretary of the Newtownards Horticulture Society announces that, in response to a circular sent out by a committee, he has received about £100 towards a memorial to the late Mr. George Dickson (of Messrs. Alex. Dickson and Sons), Newtownards. The committee has decided to provide a cup, to be called the George Dickson Memorial Cup, to be offered for competition annually, but among a different class of competitors each year; the cup is to be held for one year, and at the close of the year the holder will be presented with a small replica of the cup.—*Journal of Horticulture, London.*

MEMORIAL DAY.

Down the dusty village street
With their faded flags they come,
Marching to the measured beat
Of the mournful muffled drum.

Haltingly the files go by,
Shrinks the column year by year;
Once they shook the very sky
With their lusty battle cheer.

Old and bowed with many griefs,
Bearing wounds of shot and shell;
How they fought for their beliefs
Scores of battlefields can tell.

They have seen the meadows red
Where the clanging cannon cried;
They have left their gallant dead
Half the southern streams beside.

There it was, when carnage reigned,
To unsheathe their battle steels;
Ours it is to keep unstained
All the nation's old ideals.

Aye, our fathers fought and bled,—
Ours the profit, theirs the woe!
Shall it ever then be said
We've forgot the debt we owe?

Nay, we'll not forget, indeed;
North and South, our lives we'll give—
It again shall come the need—
That the dear old flag may live.

Roses for the boys in blue,
Roses for the boys in gray,
All impartially we strew,
There's no North nor South today.

In the mountains, on the plains,
In the cities by the sea,
"Dixie" mingles with the strains
Of "My Country, 'Tis of Thee."

On the fields that erst did prove
We were one in bravery,
Springs the lily white of love,
Blossoms the rose of loyalty.

And we dream that in the skies
Little Mac and brave Stonewall,
Grant and Lee, walk friendly-wise—
Lincoln smiling on them all!

Walter G. Doty, in *Farm Journal*.

MAY FLOWER SHOW.

The May Flower Show held the end of last week in the Palace of Horticulture, Exposition grounds, under the auspices of the California State Floral Society and the Alameda County Floral Society in conjunction with the department of Horticulture of the Panama-Pacific exposition, was a splendid success both from the standpoint of participation and attendance. The exhibits were divided into three classes—cut flowers by amateurs, cut flowers by amateurs who employ skilled labor, and all varieties by professional growers. In the latter class, the judges awarded prizes as follows: Roses grown under glass, Domoto Bros.; roses grown in the open, first, E. Gill Nursery Co., second, Vallance Nursery; carnations, first, Peninsula Nursery Co., second, Holland Nursery Co.; lilies, Y. Okimo; iris, first, Mrs. R. E. Darbee, second, Fred Agari; herbaceous peonies, Paul Grallert. Besides special prizes were given as follows: for pink oriental poppies, Paul Grallert; for artistic arrangement of tables, Mrs. Neal Childs; for trees and shrubs, E. Gill Nursery Co.; for tulips and aquilegia, Dr. John A. Scannavino; for iris, Dean Iris Gardens; for sparaxis, Mrs. Muhlmeyer; for blue perennial pea, Mrs. R. H. Grey. Roses were in assertive predominance at the show and some excellent displays were made in all three classes. A Mme. Edouard Herriot, grown and exhibited by E. E. Curtis of Berkeley, attracted much attention.

A JUNE PICTURE.

The time of the blooming of roses is now approaching. Scenes such as that depicted on our cover page this week are the irresistible "silent salesmen" for the rose grower. If every nurseryman and florist would only adorn their grounds in like manner and call the public in to see and admire the June splendor, how the sales of such roses would mount up. The picture was taken on the Thomas W. Lawson estate at Scituate, Mass., last summer. Let us hope that the time may yet come when American rose hybridists will give us a race of hardy ever blooming rambling roses so that such scenes may be possible also in late summer and fall.

PANSIES

SUPERB STRAIN—IN BUD AND BLOOM

\$1.25 per 100; \$10.00 per 1000
EXTRA LARGE PLANTS
\$15.00 per 1000

GERANIUMS. Out of 3½-in. pots,
\$7.00 per 100.

VINCA VAR. Out of 4-in. pots,
\$10 and \$12.50 per 100.

DBL. LOBELIA and AGERATUM
BLUE. Out of 3½-in. pots, \$6.00
per 100.

CASH WITH ORDER
BY EXPRESS ONLY

Leonard Cousins, Jr.

CONCORD JUNCTION, MASS.

HYDRANGEAS

We have a magnificent lot of large plants grown in tubs and half-barrels for
JULY AND AUGUST FLOWERING

We have made a specialty of hydrangeas for years, and our plants have never been finer than they are this year. They are well budded, and will begin to show color the end of June, and will be in perfection during July and August—when they are most in demand.

Hydrangea Otaksa, the standard pink variety, and the new French hydrangeas—Avalanche, Fraicheur, La Lorraine, Mme. Maurice Hamar, Mme. E. Mouillere and Mlle. Renee Gaillard.

Strong plants in tubs, \$2.00 and \$3.00 each—according to size. Otaksa, very large specimens in half-barrels, \$7.50, \$10.00 and \$12.50 each—according to size.

DRACENA INDIVISA.

Large plants for centers of vases, 50c., 75c., \$1.00 and \$1.50 each—according to size.

CROTONS.

Assorted varieties for bedding, in 3½ and 4 inch pots, \$15.00 and \$25.00 per 100.

VINCA MAJOR VARIEGATA.

We have a fine stock of this in strong, heavy plants in 4 inch pots at \$10.00 and \$12.00 per 100—according to size.

ENGLISH IVY.

Strong plants, 4 inch pots, \$10.00 and \$12.00 per 100—according to size.

Nephrolepis Teddy, Jr., 8 inch pots, \$1.00 each; 4 inch, 15c. each; 2½ inch, \$6.00 per 100.

100.
Nephrolepis elegantissima compacta, 3½ inch pots, 25c. each; 2½ inch, \$6.00 per 100.
Nephrolepis elegantissima, 8 inch pots, \$1.00 each; 2½ inch, \$6.00 per 100.
Nephrolepis muscosa and Smithii, 3½ inch pots, 25c. each; 5 inch, 50c. each.
Nephrolepis Harrisii, 6 inch pots, 50c. each; 12 inch, very large specimens, \$4.00 and \$5.00 each.

Cibotium Schiedei, large plants, 10 inch pots, \$3.50 each.

Table Ferns, assorted varieties, nice plants, 2½ inch pots, \$4.00 per 100; extra size, 3½ inch pots, \$15.00 per 100.

WINTER-FLOWERING ROSES.

We have a particularly fine stock of Ophelia, Francis Scott Key, and Prince E. C. d'Arenberg—strong plants, own root and grafted; also a fine lot of grafted roses in the standard varieties, like Killarney Brilliant, Mrs. Aaron Ward, Sunburst, Mrs. Geo. Sawyer, Mme. Edmond Rostand, etc., etc. We will be glad to quote prices on application.

F. R. PIERSON CO., Tarrytown, New York

VISITORS' REGISTOR.

New York—Lawrence S. Payn, of Simon L. Freres & Co., Brayeres-le-chatel, France.

Cincinnati—Miss Fannie White, Lexington, Ky.; T. Welk, Wilmington, Ohio.

Chicago—W. J. Becker, Logansport, Ind.; Wm. Satter, representing Eb-binge & Van Groos, Boskoop, Holland.

Philadelphia—I. B. Sweigart, representing Coldwell Mfg. Co., Newburgh, N. Y.; A. Herrington, Madison, N. J.

San Francisco, Cal.—Victor Warendorff, New York City; H. Bayersdorfer and Mrs. Bayersdorfer, Philadelphia.

Boston—F. R. Pierson, Tarrytown, N. Y.; Louis J. Reuter, Westerly, R. I.; Prof. Arno H. Nehrling, Amherst, Mass.

Pittsburgh—Milton Alexander, New York; Julius Dilhoff, New York; A. Rosnosky, representing Henry F. Michell Co., Philadelphia.

Washington, D. C.—M. Adler, Jr., New York, N. Y.; J. H. Breckman, Philadelphia, Pa.; and J. E. Rolker, of August Rolker & Sons, New York.

—To tell a mushroom, merely eat
The specimen that you may meet,
And note, next day, with studious care,
If you've stayed here or gone elsewhere.
—Detroit Journal.

PERSONAL.

Miss Jennie Adrian, of Cincinnati, left last week for a visit to the Exposition and other points of interest on the Pacific Coast.

**NEW CROP
FANCY FERNS**

\$1.25 per 1000

Special Inducements For

QUANTITY ORDERS

Contract Now For

**DECORATION DAY
REQUIREMENTS**

I also handle the very best quality Huckleberry Foliage, Dyed and Natural Sheet Mosses. I am a new Firm in the Field but an Old-Timer in experience. Give Me a Trial.

I WILL PLEASE YOU

**KNUD NIELSEN
EVERGREEN, ALA.**

DECORATION DAY

This, the Most Important of All New England Holidays, has always been a LEADER WITH US. We prepare ahead, and instead of *catch-as-catch can* material it is our custom to provide for our patrons a full supply of *specially grown* Memorial Day Flowers that will give satisfaction. We can ship to any point within 500 miles of Boston.

EVERYTHING AT WHOLESALE FLOWER MARKET PRICES. Preserved Flowers, Foliage, Cycas, etc., etc. Our Quality and Price Cannot be Beaten. Full line of Budding Plants, Vase Plants, etc., etc. ORDER EARLY.

N. F. McCARTHY & CO.

112 Arch St.

BOSTON

31 Otis St.

Obituary

Edward Larkin.

Edward Larkin, 71 years old, of Newark, N. J., whose injury by being run over by a truck was recorded in our last week's issue, died at the Newark city hospital on Thursday, May 13.

Mrs. Margaret Eberhardt.

Mrs. Margaret Eberhardt, 39 years of age, wife of August E. Eberhardt, florist, passed away at her late home at 2875 West Baltimore street, Baltimore, Md., after a prolonged illness. Mrs. Eberhardt was a native of Baltimore, and was the daughter of Mr. and Mrs. Henry Michel. She is survived by her parents, her husband and three children.

E. J. Welch, Jr.

Edward J. Welch, Jr., eldest son of Edward J. Welch, of Welch Bros. Co., of Boston, died on Monday morning, May 17th, after an illness of but four days with pneumonia. Mr. Welch, who had recently turned 21 years, was a young man of much promise and as an employee in Welch Bros.' wholesale flower establishment made many friends by his earnestness, industry and fidelity. He was a conscientious and thoroughly good young man whose sudden taking away has stirred the hearts of the florist trade of Boston with sorrow and with deepest sympathy for the bereaved family. At the funeral on Wednesday there was a vast number of beautiful floral tributes.

Frederick Weir.

Frederick Weir, 59 years old, known affectionately to thousands of residents of Bay Ridge, N. Y., as "Uncle Fred," and who as junior member of the florist firm of James Weir & Sons, at Fulton and Pierrepont streets, Brooklyn, had charge for many years of their greenhouses in Bay Ridge, died on May 14, in the Norwegian Hospital from blood poisoning resulting from enlargement of the glands.

Mr. Weir had been suffering for some time from his ailment, and it was finally decided to have an operation performed, but when he was taken to the hospital it was found that the disease had progressed too far, and he was beyond medical or surgical aid.

Mr. Weir was born in Brooklyn and educated in the public schools and at the Polytechnic Institute, and resided most of his lifetime in Bay Ridge. When the florist firm was reorganized a few years ago he went to Jamesport, L. I., to make his permanent home, and

to supervise the greenhouses of the firm of that place.

He is survived by his wife, formerly Miss Annie Waters, and a daughter, Miss Phoebe Weir.

UNITED STATES DEPARTMENT OF AGRICULTURE.

Regulation 6 of the rules and regulations of the Secretary of Agriculture governing the importation of nursery stock into the United States, issued July 1, 1914, is hereby amended, effective immediately, by striking out the first sentence in the second paragraph of said regulation and inserting in lieu thereof the following:

Nursery stock, except orchids and tree seeds, from countries which do not maintain nursery-stock inspection, will be admitted into the United States only for experimental purposes and in limited quantities, under special permit through ports designated therein. (See regulation 5.) Orchids and tree seeds may be imported from such countries in commercial quantities under special permit.

BUDDLEIA VARIABILIS

(BUTTERFLY BUSH) HARDY

Strong plants from 3-in. pots. Planted now outdoors will bloom from July 15 until hard frost. Worthy of a prominent place in every good garden.

\$2.50 per doz.; \$15.00 per 100

W. R. NICHOLSON, - Framingham, Mass.

TIME TO BUY

THESE ARE THE FINEST PLANTS WE HAVE EVER OFFERED

SEASONABLE PLANTS

2 1/4 in. pots, \$3.00 per 100.

Sweet Alyssum, Achyranthus 5 sorts, Abutilon Savitzii, Ageratum, Alternantheras, Cuphea, Coleus all best sorts, Centaureas, Fuchsias double and single, Myosotis, Heliotrope, German Ivy, Lemon Verbena, Lantanas 6 vars., Lobelia dwarf, trailing or double, Petunias, Salvias, Stevia, Tradescantia, Vinca vari. and elegans. Many of the foregoing can be supplied in larger sizes if required.

Ampelopsis Veitchii, 3 in. pots, \$8.00 per 100. Asparagus Sprengeri, 3 in., \$6.00; 4 in., \$10.00. Begonias Erfordii, Vernon, Crimson Bedder and Gracilis, \$3.00 to \$4.00. Dracaena indivisa, 4 in to 7 in., \$15.00 to \$40.00. English Ivy, 4 in., \$8.00. Geraniums, Rev. Wm. Atkinson, Mme. Julien, Molin, Doyle, Ricard, La Favorite, Nutt, Poitevine, Harrison, Countess of Harcourt, etc.; Ivy-leaved, Fragrant, etc., etc., all the best doubles and singles, handsome stock, 2 1/4 in. to 3 1/2 in., \$3.00 to \$8.00 per 100. Moon-vines, \$4.00 to \$10.00. Swainsona, \$4.00. Vincas, large plants, \$6.00 to \$10.00. All cool grown, stocky and ready for prompt shipment.

CHRYSANTHEMUMS

ROOTED CUTTINGS

Thanksgiving Queen, Unaka, \$4.00 per 100; \$30.00 per 1000. Dolly Dimple, Elise Papworth, Intensity, Golden Dome, John Shrimpton, Lynnwood Hall, Nagoya, Patty, Yellow Eaton, Unaka, \$3.00 per 100; \$20.00 per 1000. Autumn Glory, Ada Spaulding, Cullingfordii, Dr. Enguehard, Early Snow, Golden Glow, Geo. Kalb, Glory of the Pacific, H. W. Rieman, Jennie Nonin, Money Maker, Mayor Weaver, Maud Dean, Monrovia, Mrs. J. Jones, Miss Alice Byron, Mrs. Baer, Major Bonaffon, Polly Rose, Pacific Supreme, Robt. Halliday, Smith's Advance, White Bonaffon, W. H. Lincoln, \$2.00 per 100, \$15.00 per 1000.

CARNATIONS

From 2 inch Pots.

	100	1000
Matchless	\$7.00	\$60.00
Enchantress Supreme, Benora, British Triumph, Eureka	5.00	45.00
Enchantress, Lady Northcliff, Mrs. C. W. Ward, White Wonder	4.00	35.00
Lady Bountiful, Winsor, White Winsor	3.50	30.00

CANNAS IN 30 VARIETIES

From 3 1/2 in. pots, strong plants, \$6.00 and \$8.00 per 100.

ROSES

GRAFTED and OWN ROOT. Send for List.

WOOD BROTHERS

FISHKILL, N. Y.

NEW CROP

Huckleberry Foliage

\$1.75 per Case

Also Handle

FANCY and DAGGER FERNS
NATURAL and DYED MOSSES

Give Me a Trial

Prices as Low as the Lowest
QUALITY CONSIDERED

KNUD NIELSEN

EVERGREEN, - - ALA.

EVERGREENS IN PROVIDENCE.

Editor HORTICULTURE:

I am very much interested in the different letters of Messrs. Wilson, Craig, Hatfield, Curtis and your editorials, concerning the winter damage to evergreens. Contrary to heretofore

ASPARAGUS SEED

PLUMOSUS NANUS. True greenhouse-grown. 50 cts. per 100 seeds, \$1.00 for 250 seeds, \$3.50 per 1000 seeds.

PLUMOSUS NANUS. Lath house-grown. 50 cts. per 100 seeds, 75 cts. for 250 seeds, \$2.50 per 1000 seeds.

SPRENGERI. 25 cts. for 250 seeds, 75 cts. per 1000 seeds, \$3.00 for 5000 seeds.

FRESH PALM SEED

	100	1,000	10,000		100	1,000	10,000
Areca lutescens. (May delivery)	\$1.00	\$7.50	\$70.00	Phoenix Canariensis	\$1.00	\$7.50	
Cocos Weddelliana	1.25	10.00	80.00	Latania Borbonica	.50	3.50	\$30.00
Kentia Belmoreana	1.00	7.50	55.00	Musa Ensete (Banana)	.75	5.00	
Kentia Foresteriana	1.00	7.50	55.00	Dracaena Australis	.15	1.00	8.00
Phoenix rupicola	1.00	7.50		Dracaena Indivisa. Tr. pkt., 10c.; oz., 30c.; 1/4 lb., \$1.00.			

FERN SPORES

Sow Now for Fall and Winter Use.

All the leading varieties of Adiantum, Pteris, Aspidium, Cyrtomium, etc., 25 cts. per packet. Sufficient to produce 500 plants.

You may deduct 5% for cash with order.

ARTHUR T. BODDINGTON, SEEDSMAN
342 West 14th Street, NEW YORK

THE FRAMINGHAM NURSERIES

200 ACRES,
TREES, SHRUBS,
EVERGREENS,
VINES, ROSES, ETC.



FINE STOCK OF
RHODODENDRONS,
KALMIAS AND
ANDROMEDAS.
Send for Price List
FRAMINGHAM, MASS.

W. B. WHITTIER & CO.

TREES

Largest assortment in New England. Evergreens, deciduous trees, both common and rarer varieties.

Sturdy, choice stock that can be depended upon. Send for catalog and special trade prices.

The Bay State Nurseries

North Abington Mass.

SHRUBS

This New England climate produces fine sturdy shrubs. Special trade prices. By the thousands, hardy Native and Hybrid Rhododendrons—transplanted and acclimated. Let us estimate.

ELLIOTT AUCTION COMPANY

Disposes of anything in the way of green goods at their sales at

42 Vesey St., New York

Try us out. Prompt returns

Nursery Stock

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens and Roses.

Write for Trade List.

W. & T. SMITH COMPANY, Geneva, N. Y.

THE National Nurseryman

Official organ of the American Association of Nurserymen. Circulation among the trade only. Published Monthly. Subscription price \$1.00 per year. Foreign subscriptions \$1.50 per year. In advance. Sample copy free upon application from those in the trade enclosing their business card.

National Nurseryman Pub. Co., Inc.

218 Livingston Building
ROCHESTER, NEW YORK

BOBBINK & ATKINS

Nurserymen, Florists and Planters

RUTHERFORD, NEW JERSEY

accepted theories our rhododendrons on northern exposures suffered more severely than any others and strange to say maximum suffered equally with hybrids.

In another plantation all hybrids came through perfectly, while Juniperus procumbens communis, Thuja Standishi, globosa and ericoides, Retinospora plumosa, filifera and the golden forms and Azaleas Hinodigiri,

Jap. alba and Yodozawa suffered severely. Pinus strobus got an awful scorching too. But we shall not give up; perhaps we may find some way of overcoming all these difficulties if we keep on trying. Besides we have a lot of Wilson's seedlings coming along to help us build up a stronger and hardier race of these beautiful plants.

Supt. Dept. Parks, Prov., R. I.

SEED TRADE

AMERICAN SEED TRADE ASSOCIATION

Officers—President, Lester L. Moore, San Francisco, Calif.; First Vice-President, J. M. Lupton, Mattituck, L. I.; Second Vice-President, F. C. Dungan, Philadelphia, Pa.; Secretary and Treasurer, C. E. Kendel, Cleveland, O.; Assistant Secretary, S. I. Willard, Jr., Cleveland, O.

Pea and Bean Vicissitudes.

Two or three months ago we predicted that peas, with the exception of what are known as canners' varieties, would be well cleaned up by the close of the season. We based this opinion on information that was reaching us from different parts of the country, and the sequel has amply proved the truth of our predictions. There will be a very small carry-over of beans, especially of the wax pod variety. In fact, at the present time, it is next to impossible to buy more than one or two varieties of wax beans in bag lots. The situation on green pods is a little easier, but we believe that when stock for second planting is called for there will be nothing left in the line of green pods.

It is the verdict of the growers of peas and beans that very liberal contracts for beans were placed by the trade for their next year's requirements, but that they dipped rather lightly into peas. We will venture the opinion now that it should have been the other way, and that peas will be worth a considerable premium over the growing prices as they have ruled on most varieties when deliveries are made next autumn and winter. Should green beans prove slow sellers and prices rule low the coming season, many farmers will allow their beans to ripen and will save every one, bearing in mind the great scarcity of the past season and the difficulty in securing the varieties desired, and the very high prices which market gardeners have had to pay. Should there be in addition to this a good average crop of seed beans, the situation of the past winter is quite liable to be reversed. Of course everything will depend on the crop, but a complete reversal has more than once occurred within one year. In the matter of peas it must be remembered that we will get nothing from New Zealand or Europe the coming year, but on the contrary we are liable to be called upon to supply more or less pea seed to Europe. We are informed from sources we consider reliable, that the growers are not planting an acreage much in excess of that required to take care of their future orders. It will be seen, therefore, that anything short of a bumper crop will be bound to advance the price of garden peas, and that a short crop will probably produce some fancy high figures. We do not venture into the "danger zone" of prophecy very often, but feel just like taking a flyer at this time.

The Proposed Wisconsin Seed Law.

We are informed that a final hearing will be given on the amendment to the Wisconsin seed law, fathered and advocated by the Wisconsin canners, on the 18th instant. Most of those seedsmen who attended the former hearing came away with the fixed idea that

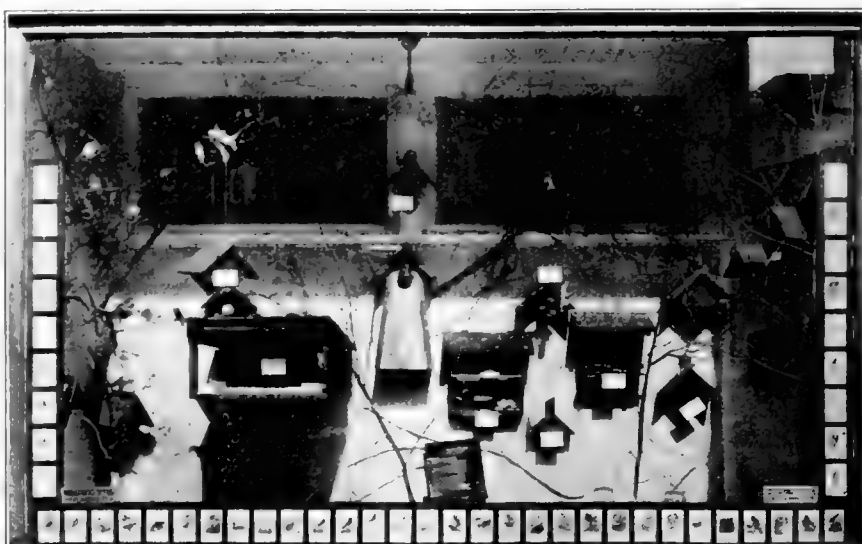
the legislature was going to pass this amendment regardless of any opposition by the seedsmen, or the equitable of the case. A member of the Wisconsin Senate told one of the seed men that they had made an excellent argument against the bill, but that as the canners wanted it they were going to give it to them. This is a specimen of the way much of our legislation is passed. We expressed our opinion of this measure rather forcibly some weeks since, and have had no occasion to modify anything we then said. It certainly is going to make it exceedingly difficult for seedsmen to comply with the provisions of this act. Perhaps it will be so extreme that the courts may declare it unconstitutional and we believe herein lies the best hope of the seed growers.

The San Francisco Convention.

The time is rapidly approaching when the seedsmen who expect to attend the Convention in San Francisco on June 22nd will have to start for the City at the Golden Gate, and those who contemplate going should immediately write S. F. Leonard, care The Leonard Seed Company, Chicago, Illinois, and advise him of what space they will require in the Pullmans. We believe it is very generally known that an effort is being made to secure a special train for the use of the seedsmen who expect to attend the Convention and see the Exposition, but it is necessary that not less than 125 tickets be sold to insure this special train. We are informed that not over half that number has thus far been secured by the committee. There is no question about the desirability of having a special train for the exclusive use of the seedsmen, their wives and friends, but it must be understood that at least fifty to seventy-five more tickets are necessary to make sure of it. We therefore urge everyone connected with the trade who expect to attend the Convention to send in their requests for reservations without delay. Do it at once.

A Bird Window.

An unique and impressive window display is now being shown at Bolgiano's seed store, Baltimore, Md. Bird houses of all shapes and styles, including wren's bungalows, red and



A BIRD WINDOW BOLGIANO'S SEED STORE, BALTIMORE, MD.

MICHELL'S SEEDS

FOR SOWING NOW

CINERARIA	1/2 Tr.	Tr.
	Pkt.	Pkt.
Dwarf Grand Prize.....	\$0.60	\$1.00
Medium Tall Grand Prize.....	.60	1.00
James' Giant Strain.....	.60	1.00

PRIMULA CHINENSIS

Michell's Prize Mixture.....	\$0.60	\$1.00
Alba Magnifica.....	.60	1.00
Chiswick Red.....	.60	1.00
Duchess.....	.60	1.00
Holborn Blue.....	.60	1.00
Kermesina Splendens.....	.60	1.00
Rosy Morn.....	.60	1.00

PRIMULA OBSCURA GIGANTEA

	Tr	Pkt.
Lilacina.....	\$0.50	
Kermesina.....	.50	
Rosen.....	.50	
Alba.....	.50	
Hybrida Mixed.....	.50	

PRIMULA MALACOIDES

Lilac, Tr. pkt.....	\$0.50
Alba, White, Orig. pkt.....	.20
Rosen, Light rose to carmine rose, Orig. pkt.....	.15

Also all other Seasonable SEEDS, BULBS, PLANTS and SUPPLIES

LATEST WHOLESALE CATALOG,
FREE FOR THE ASKING.

HENRY F. MICHELL CO.
518 Market St., Phila.

blue bird's open houses, cardinal's corn crib, flicker logs, feeding shelves, etc. are artistically arranged among plenty of brush and material for making nests. Several dozen canary birds are flying about, earnestly tolling building nests in which to rear their young. The floor is covered with sand upon which are several fountains of water for drinking and bathing. Crowds of people are continuously attracted to the window by this beautiful display and the firm reports sale of the bird boxes very large.

Sweet Pea Show at San Francisco Postponed.

On account of the recent long wet spell the sweet pea show scheduled for June 4th has been postponed until June 23rd and 24th. Sweet peas in California are now in vigorous growth and all buds have dropped.

BEGONIAS

FARQUHAR'S TUBEROUS ROOTED

The great value of Tuberous Rooted Begonias for Lawn Beds and Borders is appreciated owing to the continuous production of large and gorgeous flowers.

Single and double varieties in the following colors:—Crimson, Scarlet, Pink, White, Orange and yellow.

Write for Prices

R. & J. FARQUHAR & CO.
6 SOUTH MARKET ST., BOSTON, MASS.

Burpee's Seeds

PHILADELPHIA

BLUE LIST OF WHOLESALE PRICES
MAILED ONLY TO THOSE WHO PLANT
FOR PROFIT.

BURNETT BROTHERS

Importers and Growers of

SEEDS, BULBS, PLANTS, &c.

98 Chambers Street, New York

"SEEDS WITH A LINEAGE"

Seeds with a generation of finest flowers and vegetables back of them—carefully selected—really tested.

Write today for Catalog.

CARTER'S TESTED SEEDS, Inc.
166 Chamber of Commerce Bldg.
Boston, Mass.

Cabbage Plants

Early and Late Flat Dutch; All Head; Wakefield; Early and Late Drumhead; Danish Bull Head and other varieties; 30c. per 100 by Parcel Post. By Express, 75c. per 500; \$1.00 per 1000; 10,000 and over, 85c. per 1000.

BEEF PLANTS: 75c. per 500; 1.25 per 1000. Cash with order. Send for list of varieties.

R. VINCENT, JR. & SONS CO.
White Marsh, Md.

New Seed Stores.

San Jose, Ill.—W. G. Kelly.
Cherokee, Okla.—J. W. McDonald.
Nashville, Tenn.—F. A. Hood & Company.

Knoxville, Tenn.—Sample-Craig Co., succeeding Whittle Produce & Seed Co.

Notes.

The value of horticultural imports into New York for the week ending May 8, 1915, is given as follows: Ma-

J. BOLGIANO & SON
WHOLESALE FIELD AND GARDEN SEEDS
Established 1818

Write For Our Low Prices

LIGHT, PRATT and ELLICOTT STS.
BALTIMORE, MD.

J. W. Edmondson, Mgr. M. W. Williams, Sec'y
California Seed Growers Association, Inc.
Growers For Wholesale Dealers
SAN JOSE CALIFORNIA

HARDY LILIES for IMMEDIATE SHIPMENT
From Cold Storage Warehouse

	Size	per case	per case
Speciosum Rubrum.	8-9	225	\$12.50
"	9-11	125	12.50
"	11-13	100	12.50
Multiflorum	6-8	400	15.00

Send for complete catalogue on all bedding plants.

ROMAN J. IRWIN, 108 West 28th St.
NEW YORK

W. E. MARSHALL & CO.
SEED, PLANTS AND BULBS
Horticultural Sundries

166 W. 23rd St., NEW YORK

nure salt, \$1,815; fertilizer, \$7,148; guano, \$1,656; clover seed, \$13,032; grass seed, \$5,927; trees and plants, \$10,434.

While counter and retail trade is noticeably slowing up as compared with the great activity of some weeks ago, it is still quite lively and bids fair to hang on well into June. The mail order houses are practically through, although, of course, more or less may be expected up to the first of June.

SUCCESSFUL THORBURN'S SEEDS

ON the largest estates; in the smallest gardens. Produced by some of the ablest men in the seed business.

You really would be glad to own a copy of our catalog. Have we your name?

J. M. THORBURN & CO.
In Business Since 1802
53 Barclay Street - New York

Seedsmen requiring the very best selections of

Garden Seeds

(VEGETABLE AND FLOWER), especially

Kelway's Celebrated English Strains

can get them at lowest independent wholesale rates by sending their orders direct to

KELWAY & SON

Wholesale Seed Growers

LANGPORT, SOMERSET, ENGLAND

Special quotations on application

SEEDS FOR PRESENT PLANTING

BEGONIAS, ANTIRRHINUM
STOCKS, LOBELIAS,
VERBENAS, ETC.

THOS. J. GREY CO.

32 So. Market St., Boston.

S. S. SKIDELSKY & CO.

BULBS, PLANTS and SEEDS

1218 Betz Bldg., Philadelphia

Catalogue on application

NEW PRICE LIST
Of My Celebrated Winter-Flowering
ORCHID SWEET PEAS
will be out in June. If you are not on our mailing book, send your name and proposal.

ANT. C. ZVOLANEK
Sweet Pea Ranch, LOMPOC, CALIF.

Place your order now for Ayres' Winter Flowering

SWEET PEA SEED

S. BRYSON AYRES CO.

"Renowned Sweet Pea Specialists"

SUNNYSLOPE, INDEPENDENCE, MO.

NEW CROP SEEDS

FOR FLORISTS

Ask for 1915 Catalogues

Joseph Breck & Sons Corp.

Seedsmen

47-54 No. Market St., BOSTON, MASS.

It is our BUSINESS to supply you with

SUPERIOR GLADIOLI

JOHN LEWIS CHILDS
FLOWERFIELD, L. I., N. Y.

ALEX. McCONNELL611 FIFTH AVENUE
NEW YORK CITY

Telegraph orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred by air, stored by the trade to our association for delivery by steamships or elsewhere receive special attention.

United States Florists' Association

Member Florists' Telegraph Delivery Association

Reference or cash must accompany all orders from unknown correspondents.
Cable Address, ALEXCONNELL.

G. E. M. STUMPP

761 Fifth Ave.

NEW YORK CITY

Member Florists' Telegraph Delivery Asso.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or Telegraph

2139-2141 Broadway, - New York

Telephone 1662-1663 Columbus

Established 1874

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Member Florists' Telegraph Delivery Asso.

Flowers shipped via a Steamer. Special Correspondence in all the principal cities of Europe and the British Colonies. Telegraph and Cable address: Dardsflor.

Myer

NEW YORK

609-611 Madison Ave.

Cheapest cut flowers and designs for all occasions. Steamer and the flowers a specialty.

Member Florists Tel. Delivery. Wire Me Your Orders

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

W.J. PALMER & SON

Members
Florists' Telegraph
Delivery Association

S. A. ANDERSON

440 Main St., Buffalo, N. Y.

ANDERSON service means fresh, sturdy stock, and prompt deliveries in BUFFALO, LOCKPORT, NIAGARA FALLS and WESTERN NEW YORK.

Members of Florists' Telegraph Delivery.

ROBERT J. DYSART

PUBLIC ACCOUNTANT AND AUDITOR

Simple methods of correct accounting especially adapted for florists' use.

BOOKS BALANCED AND ADJUSTED

Merchants Bank Building

40 STATE ST. - - - BOSTON

Telephone Main 58

Of Interest to Retail Florists

WHAT FLORISTS CAN DO FOR MEMORIAL DAY.

Memorial Day is the next big business opportunity for the florist, and unless he has a back number of work by this time he will find the post for the holiday very well foretold. Some increased business is bound to come to even the most unpretentious of retail florists. But to prepare beforehand for the day and plan an advertising campaign is good sense.

Memorial Day this year ought to be a record breaker. It is preceded by Sunday, thus providing two days for flowers. Experience has shown that when May 31 comes immediately before or after Sunday business on that day increases wonderfully. We can make it a real Flower Day, a day of national floral tribute to our beloved dead. "Decoration Day" has developed into a day of universal homage not alone to Civil war heroes but to the departed of all our people, of all classes, races and creeds. In many respects it is the greatest flower day of the year.

The great growth of business in artificial flowers has undoubtedly hurt the trade in natural stock, but it has become a necessary evil—one in fact, that is very popular. Retailers all over the country have been making up preserved and artificial wreaths for several weeks past, in anticipation of a big day's business. The popular demand for this material rather than for fresh natural flowers makes its use obligatory as successful business means giving the buying public what they want. There will also be a big demand for flat bunches of fresh flowers, and the growers are depending much on this feature of the business.

So much has been said about the place of advertising in the florist trade that it hardly seems necessary to dwell upon it at any length. It is only sufficient to say that the good and judicious advertiser will reap the full benefit of his publicity at this season, especially in mail orders for wreaths, etc. Active retail florists are now sending out letters to all former mail order customers and count this part of their business as highly profitable.

Symbolic window effects will do much to attract attention to your store. Wax models are being much used in florist windows to carry out ideas. A military window will go well this season. We once noted an especially effective display that we shall always remember. It represented an old Civil War veteran placing a spray on the grave of a comrade, who had died in the attempt to save him from the attack of an enemy. The story was told in a fine painting of a conflict, which was at one side of the kneeling figure.

If you are going to brighten up your window at all, make the display of some special significance. Memorial Day ideas are plentiful, and to embody a good one in window advertising will attract the attention of all passersby. This short note is but a reminder; but a reminder is all that is necessary for the wide-awake, ready-to-do-business florist.

JOHN BREITMEYER'S SONSCor. Broadway and Gratiot Aves.
DETROIT, MICH.**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good sections of Ohio, Indiana and Canada.
Members Florists' Telegraph Delivery Association.

THE ROSERY

23 STEUBEN ST.

ALBANY, N. Y.

FLOWER DELIVERIES FOR ALBANY AND VICINITY

Members Florists' Telegraph Delivery

Danker

Albany, N. Y.

Not How Cheap
But How Good.

Capital of the Empire State

Member F. T. D. A.

WASHINGTON,
D. C.**GUDE'S**Member Florists
Telegraph
Delivery**SAMUEL MURRAY**

Kansas City, Mo.

913 Grand Ave.

Member of the Florists' Telegraph Delivery

All Orders Given Prompt and Careful Attention

The Park Floral Co.

J. A. VALENTINE, Pres.

Member Florists' Telegraph Delivery.

DENVER, COLORADO

Rochester, N. Y.

**J. B. KELLER SONS,
FLORISTS**

25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2780

Members Florists' Telegraph Delivery

"THE HOME OF FLOWERS"

The largest cut flower store in America. Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.**RANDALL'S FLOWER SHOP**

HARRY I. RANDALL, Proprietor.

Phone: Park 84

3 PLEASANT ST., WORCESTER, MASS.

Member Florists' Telegraph Delivery Association

CHICAGO Send Your Orders to WILLIAM J. SMYTH

Member Florists' Telegraph
Delivery Association

Michigan Ave. at 31st Street

Prompt Auto Delivery
Service

CHICAGO

And Neighboring Towns
Are Thoroughly Covered by

SCHILLER, THE FLORIST

(Member Florists Telegraph Delivery).

Flowergram or Mail Orders from florists
anywhere carefully filled and delivered
under the supervision of

GEORGE ASMUS, Mgr.

2221-2223 W. Madison St., CHICAGO.

'Phone West 822

THOS. F. GALVIN INC.

NEW YORK 561 Fifth Ave.
Vanderbilt Hotel

BOSTON 1 Park Street
799 Boylston Street

Deliveries to Steamers and all Eastern Ports

CLEVELAND

A. GRAHAM & SON

5523 Euclid Ave.

Will take good care of your orders

Members of F. T. D. Association.

WASHINGTON

915 F ST. N. W.

F. H. KRAMER

Auto delivery of Designs and Flowers to
any address in Washington.

Stock and Work First Class

F. R. PIERSON CO.

FLORISTS AND
PLANTSMEN

TARRYTOWN ON HUDSON, - N. Y.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL STREET, ALBANY, N. Y.

ST. LOUIS, MO.

FRED C. WEBER

4326-28 Olive St.

Member Florists Telegraph Delivery Association
NOTICE INITIALS. We have one store only

Flowers by Telegraph

Leading Retail Florists Listed by
Towns for Ready Reference. Orders
transferred by telegram or otherwise
to any of the firms whose address is
here given will be promptly and prop-
erly filled and delivered.

Albany, N. Y.—Danker.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl
St.

Albany, N. Y.—The Rosery, 23 Steuben
St.

Boston—Thos. F. Galvin, 1 Park St.

Boston—Penn, the Florist, 37-43 Brom-
field St.

Buffalo, N. Y.—S. A. Anderson, 440 Main
St.

Buffalo, N. Y.—Palmer's, 304 Main St.

Chicago, Ill.—Schiller the Florist, George
Asmus, Mgr.

Chicago—William J. Smyth, Michigan
Ave. and 31st St.

Cleveland, O.—J. M. Gasser Co., Euclid
Ave.

Cleveland, Ohio—Adam Graham & Sons,
5523 Euclid Ave.

Denver, Col.—Park Floral Co., 1643
Broadway.

Detroit, Mich.—J. Breitmeyer's Sons,
corner Broadway and Gratiot Ave.

Houston, Tex.—Kerr, The Florist.

Kansas City, Mo.—Samuel Murray, 913
Grand Ave.

New London, Conn.—Reuter's.

New York—David Clarke's Sons, 2139-
2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—Young & Nugent, 42 W. 28th.

New York—Dards, N. E. corner 44th St.
and Madison Ave.

New York—Max Schling, 22 W. 59th St.

New York—G. E. M. Stumpp, 761 Fifth
Ave.

New York—Thos. F. Galvin, Fifth Ave.,
at 46th St.

New York—Myer, 609-611 Madison Ave.

New York—A. T. Bunyard, 413 Madison
Ave.

Norwich, Conn.—Reuter's.

Omaha, Neb.—Hess & Swoboda, 1415
Farnum St.

Rochester, N. Y.—J. B. Keller Sons, 25
Clinton Ave., N.

St. Louis, Mo.—Fred C. Weber, 4326-28
Olive St.

St. Paul, Minn.—Holm & Olson, Inc.

Tarrytown-on-Hudson, N. Y.—F. R. Pier-
son Co.

Toronto, Can.—J. H. Dunlop, 96 Yonge
St.

Washington, D. C.—Gude Bros., 1214 F
St.

Washington, D. C.—F. H. Kramer, 915
F St., N. W.

Westerly, R. I.—Reuter's.

Worcester, Mass.—Randall's Flower Shop,
3 Pleasant St.

NEW FLOWER STORES.

Greenwich, Ct.—Mead & Son, Main
st.

Wheeling, W. Va.—G. L. Greiner,
Feinler bldg.

Philadelphia, Pa.—J. P. Agre, 21
South 11th St..

Toronto, Ont.—S. W. J. Matthew,
Manning Arcade.

New York, N. Y.—The Flower Girl
Shop, 10 W. 46th st.

New Brighton, Pa.—H. L. Thomp-
son, 813 Third ave.

De Kalb, Ill.—A. J. Riggs, South
Third ave., Beehive block.

Dixon, Ill.—J. W. Swartley & Sons,
succeeding Rosery Floral Co.



"The Telegraph Florist"

Member of Florists' Telegraph Delivery

37-43 Bromfield St., Boston, Mass.

ORDERS FOR

NEW YORK

WIRE OR PHONE TO

MAX SCHLING

22 West 59th Street, adjoining Plaza Hotel

Best Florists in the States as References

EUROPEAN ORDERS EXECUTED

Members of the Florists Telegraph
Delivery.

REUTER'S

Members Florists
Telegraph
Delivery

STORES IN

New London and Norwich, Conn.
and Westerly, R. I.

We cover the territory between
New Haven and Providence

HESS & SWOBODA

FLORISTS

Telephones 1501 and L 1583

1415 Farnum St.,

OMAHA, NEB.

THE J. M. GASSER COMPANY,

CLEVELAND

Euclid Avenue

Kerr

ORDERS
FOR
TEXAS

The Florist HOUSTON, TEXAS

Member F. T. D. Association.

The Far-Famed Flowers of

TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP

96 Yonge St., - - TORONTO, ONT.

NEWS ITEMS FROM EVERYWHERE

BOSTON.

The florists of Boston report good business. The weather is so warm that people are out in the parks and gardens. There were many people in the parks and gardens.

The florists are reporting the fact that the weather has been so warm that people are out in the parks and gardens. The florists are reporting the fact that the weather has been so warm that people are out in the parks and gardens.

James M. C. has returned from a sojourned ever since last fall and a host of friends will be glad to learn that he is greatly improved in health and spirit.

Few retail stores within city limits have the advantage of a front garden display such as Harry Quint's, Bolyton street store possesses. The bulbous plants are now in full bloom and make an attractive appearance.

We regret to report that M. J. A. is seriously ill with stomach trouble and at the present writing is in a dangerous condition. The sympathies of the local trade are with Mr. Aylward, who is a well-known local florist.

Local retailers seem to be going in heavily for artificial flowers for Memorial Day. Two of them, especially, have been making up the prepared wreaths for over a month now, in anticipation of a tremendous demand. A little educational campaign on the appropriateness of fresh flowers would seem advisable.

The Horticultural Club of Boston had a special meeting at the Parker House and outing to the Arnold Arboretum on Wednesday afternoon, May 19th. The lilacs and many other rich spring flowering shrubs were in their full glory and under the conduct of Jackson Dawson and E. H. Wilson the visitors enjoyed a rare treat. Particularly interesting were the Wilson novelties from China, many of which are now at an age where their full character begins to show forth.

NEW BEDFORD.

Business, ever since Mother's Day, has been coming in very slowly.

Joseph V. Pierce of Cottage street, contemplates tearing down two of his smaller greenhouses and building one large one in their place.

Post & Gray have temporary quarters at the Steiger, Dudkeon store near the Purchase street entrance, where they are displaying many fine wreaths and flowers appropriate for Memorial Day.

The window of William Peirce's shop on Pleasant street is attracting a great deal of attention by its beautiful and appropriate decorations in yellow, in honor of the mass meeting for equal suffrage to be held here on the eighteenth of the month.

PITTSBURGH.

In the Flower Garden at the City Park, foreman John W. Jones has a really wonderful showing of color. One entire lot is devoted to this. Mr. Jones' interest seems largely centered, however, on his collection of Darwin tulips, which is very fine.

Mrs. E. A. Williams contributed the floral decorations for the wedding of Miss Eleanor H. Smith. Both the home and church were beautifully decorated with a combination of pink snapdragon and white lilacs. The bridal bouquet was formed of a shower of lilies of the valley with a center of Sweetheart roses, and the six bridesmaids carried Mrs. Taft roses tied with broad, pale blue satin ribbon.

Never has the flowering shrubbery been as luxuriant as this year. Beginning with the season of forsythia, suburban estates have since been a mass of bloom weigela, lilacs, and now bridal wreath. Snowballs also are here and two weeks ahead of scheduled time. Unfortunately owing to the recent excessive hot weather the flowers usually depended upon for Memorial Day will be things of the past this year. If the present cool weather continues, there will be no peonies, except the few very early bloomers, for decorating either. The cool weather has also postponed the filling of porch and window box orders, which this year are exceptionally numerous, notwithstanding financial pressure on all sides. The seedsmen all have been reaping fine harvests and now the plantmen are in the midst of their season.

WASHINGTON.

A civil service examination will be held in this city on June 19, to secure a list of eligibles for the position of division park foreman in this city, which carries with it a salary of \$90 per month. The requirements are that the applicant for the position shall be between the ages of 25 and 45 years, and shall for the past five years have been in charge of men engaged in gardening, and park maintenance and improvement. He must also have a thorough knowledge of the care of trees, shrubs, flowers and lawns, and an ability to ride a bicycle will prove an advantage.

Superintendent George W. Hess, of the United States Botanic Gardens, was chairman of the committee of judges of the main exhibit of the rose show held May 20 and 21 at Brookland, D. C. Other members of this committee were Furman L. Mulford, of the United States Department of Agriculture, and Miss Susan B. Sipe, director of school gardens. The committee on artistic baskets comprised Dr. W. Van Fleet, rosarian, United States Department of Agriculture, chairman; Helen Fowler, manager of the Shaw Gardens and William Reeves, the White House florist. This is the fourth annual exhibition given by the Brookland Rose Society.

CHICAGO.

A. Langer says that early spring weddings are beginning to be quite a feature in the retail trade.

At Amling's a novelty is seen in brilliant hued poppies. They come in red, pink and white and are quickly picked up.

Two large baskets have attracted much attention in the store windows of Geo. Weinhoeber, this week. They were exquisite blendings of yellow tints.

Phil McKee, of the Moninger Co., has returned from a trip through Michigan in the interest of his firm and reports the greenhouse outlook as good, especially among the vegetable growers.

Mathias Mann, of Zech & Mann, states that the extreme weather of the last of April hurried along the crop of carnations, so that a large supply seems an impossibility for Memorial Day, the plant being sure to be off crop.

John Kruchten will move into the store now occupied by Kyle & Foerster as soon as the latter can give possession. The move is a short one, being next door to their present place, on the second floor in The Atlas block, but it shows that the business under Mr. Kruchten's management is increasing, making larger space necessary.

Demonstration Gardens in parks, a new venture of a practical educational nature is under way in Chicago's large parks. A portion of the ground is laid out in vegetable gardens instead of flower beds and is to be used as an object lesson on how to properly grow vegetables and how to use a small amount of land to the best advantage by a proper rotation of crops. 5000 square feet is being used in these demonstration gardens in each of the West Side parks, Garfield, Humboldt and Douglass. The South parks may devote a larger space. This goes well with the movement started a few years ago, of giving the use of city vacant lots for gardens and which has each year become more popular.

At Garfield Park, Supt. Koch says that bedding out will be under way by the time this is in print. The shrubbery in the park never looked better, owing, he thinks, to the long season last year, when spring opened early. The geraniums are in fine condition for planting out being short, stocky, and showing plenty of color. Madam Barney has been tried here one year and was well liked by the growers. Louis Heidtman called our attention to its robust habit, low growth and very double light pink flowers. He said it would stand up well even under unfavorable circumstances. John Doyle, a light red, was covered with blooms and Jean Viaud with its delicate light pink petals and white throat, was very dainty in appearance. Among the show pelargoniums were many choice varieties but of the deeper shades. Goethe was conspicuous. The vivid red was heightened by the black centers and

Memorial Day Profits

May be very much increased by good judgment in selection of supplies. We offer **CREPE FLOWERS**, such as Roses, Wisteria, Carnations, etc.; **MAGNOLIA LEAVES**, green and brown, in cartons and bulk—no torn or mouldy leaves; famous **HIGRADE METAL WREATHS**, home-made, fresh from the factory to you—no shop-worn stock sent out; **CEMETERY VASES** of iron or tin and enamelled tin; **CAPE FLOWERS**, best in the world.

Push your order along and have the goods to show.

"HERE COMES THE BRIDE"

FOR THE JUNE WEDDING we have Lace Bridal Holders, Wedding Cords, Wedding Posts, Wedding Gates, Kneeling Stools, Gauze Chiffons for Shower Bouquets; Bridal Scarfs, Resting Baskets, Shepherd's Crooks, Directoire Staffs.

FOR GRADUATIONS

Hi-Art Decorative Commencement Baskets and all other accessories. Stock up now and have the goods to show customers. Send for prices and you will be astonished to see how much you can do with a little money when you go straight to headquarters—**THE FLORISTS' SUPPLY HOUSE OF AMERICA.**

H. BAYERSDORFER & CO.

1129 Arch Street, PHILADELPHIA, PA.

the clusters were large and solid. Two nasturtiums, one light yellow with red penciling, called Giant of Battles, and another bright velvet red, called Regelianum were especially handsome.

PHILADELPHIA NOTES.

J. P. Agre has opened a store at 21 South 11th street. It is nicely decorated in a two tone effect. He calls it, "The Green and White Shop." Very appropriate. Mr. Agre reports the business done there last week was very encouraging.

Dr. P. H. Lane, of Chestnut Hill, is now the proud occupant of a seven acre farm at Ambler. The elite at Dooner's during lunch hour—well, if they hav'n't got the earache about potatoes and onions and 'tmats and pigs and goats and hens, it's no fault of the good doctor. May he convert them all.

There will be an interesting free Flower Show in Lansdowne, Saturday, June 5th, afternoon and evening. Judging from past efforts, this is worth going to see, even by the trade. One of the strong features will be the outdoor roses. There are quite a number of ardent rose amateurs in the borough. Among other trophies to be competed for are three medals by the American Rose Society. The event will take place in the hall of the Twentieth Century Club, near the station, under the auspices of the Natural History Club, of which George L. Pennock is president. A strong supporter of the local event is the president of the American Rose Society, Samuel S. Pennock of the Pen-

nock-Meehan Co., who lives in Lansdowne, and has quite a collection of outdoor roses—over two hundred varieties, we believe—which is remarkable considering the limited room on his home grounds.

SAN FRANCISCO.

H. Bayersdorfer, of Philadelphia, is spending a few days in San Francisco before sailing for Japan.

Chas. C. Navlet has enlarged his seed department at the rear of the first floor of the Emporium and is negotiating for larger space for his cut-flower section.

J. A. Carbone, of Berkeley, Cal., who has been largely supplying the Bay trade with orchids, says the demand has been increasing nicely for several weeks, with prices about the same as in former seasons. For the month of June he expects to have a fine cut of Cattleya gigas. He says dendrobiums are popular at present, and that odontoglossum crispum is becoming quite a favorite.

A SOLDIER'S GRAVE.

The dust that sleeps unthinking and unknowing,
That turf below.
That reeks no more of pale December's snowing,
Or long-dayed June amid the meadows glowing,
That knows not Summer's birth nor Winter's going
On field or bough,
Was once a soldier's heart. It ceased its beating
In duty's round—
We o'er the heedless sod today are meeting
To learn the lesson Time has been repeating
And give all patriot souls that sleep our greeting
From this poor mound.
—Frank H. Sweet.

DURING RECESS.

Syracuse Visits Rochester

A delegation of the Florists Club of Syracuse visited the Rochester Florists' Association, Sunday, May 16, and were taken for a trip through Highland Park and other beauty points of the Flower City. Those of our readers who have ever visited the Rochester bunch need no further details in order to realize the reception extended to the guests from Syracuse. All are recovering nicely.

Natural Green Sheet Moss

\$1.75

Dyed Green Sheet Moss

\$3.00

Delivered by Express

We Also Handle

FANCY and DAGGER FERNS

HUCKLEBERRY FOLIAGE

QUALITY HIGH and PRICES LOW

KNUD NIELSEN

EVERGREEN, . . . ALA.



Real Butterflies

Moths, Beetles, etc., mounted on pins for floral decorations of every description. Largest stock in America. Write for prices.

The New England Entomological Company
366 Arborway, Jamaica Plain, Mass.

LOCAL PEONIES

\$6.00 to \$8.00 per 100

None out of Storage— all fresh cut flowers

NEW DAGGER FERNS

\$2.00 per 1000

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BEST PRODUCED

226 Devonshire Street, Boston, Mass.

WHOLESALE FLOWER MARKETS				TRADE PRICES—Per 100 TO DEALERS ONLY							
		CINCINNATI		CHICAGO		BUFFALO		PITTSBURG			
Roses		May 4		May 17		May 17		May 17			
Am. Beauty, Special.....	25.00	to	25.00	to	15.00	20.00	to	25.00	20.00	to	25.00
" " Fancy and Extra.....	12.50	to	15.00	to	30.00	12.00	to	15.00	12.50	to	15.00
" " No. 1.....	8.00	to	10.00	to	20.00	6.00	to	10.00	6.00	to	10.00
Killarney, Richmond, Extra.....	5.00	to	5.00	to	15.00	5.00	to	7.00	8.00	to	10.00
" " Ordinary.....	2.00	to	4.00	to	5.00	3.00	to	4.00	4.00	to	6.00
Hillingdon, Ward, Sunburst, Extra.....	5.00	to	6.00	to	15.00	5.00	to	9.00	to	to	to
" " Ordinary.....	2.00	to	4.00	to	5.00	4.00	to	6.00	to	to	to
Maryland, Radiance, Talt, Extra.....	5.00	to	6.00	to	6.00	6.00	to	8.00	6.00	to	8.00
" " Ordinary.....	2.00	to	4.00	to	5.00	3.00	to	6.00	3.00	to	4.00
Russell, Hadley, Ophelia, Mock.....	2.00	to	4.00	to	20.00	5.00	to	7.00	to	to	to
Carnations, Fancy.....	to	to	to	to	4.00	2.00	to	2.50	3.00	to	4.00
" " Ordinary.....	to	to	to	to	3.00	1.00	to	2.00	to	to	to
Cattleyas.....											
Lilies, Longiflorum.....	6.00	to	10.00	to	10.00	8.00	to	10.00	8.00	to	12.00
" " Rubrum.....	to	to	to	to	to	4.00	to	5.00	to	to	to
Lily of the Valley.....	3.00	to	4.00	to	4.00	3.00	to	4.00	3.00	to	4.00
Daisies.....	to	to	to	to	1.00	1.00	to	1.50	1.00	to	3.00
Stocks.....	to	to	2.00	to	3.00	2.00	to	3.00	to	to	to
Snapdragon.....	to	to	4.00	to	6.00	3.00	to	5.00	3.00	to	6.00
Iris.....	to	to	to	to	to	to	to	to	to	to	to
Gladioli.....	to	to	to	to	5.00	4.00	to	6.00	3.00	to	5.00
Calendulas.....	to	to	to	to	2.00	3.00	to	4.00	1.00	to	3.00
Sweet Peas.....	to	to	to	to	1.50	.50	to	1.50	.25	to	1.00
Corn Flower.....	to	to	to	to	.75	.75	to	1.00	to	to	to
Gardenias.....	1.00	to	5.00	to	12.00	2.00	to	25.00	to	to	to
Adiantum.....	to	to	to	to	1.00	1.00	to	1.25	1.00	to	1.25
Smilax.....	12.00	to	1.00	to	18.00	to	to	15.00	15.00	to	20.00
Asparagus Plumosus, Strings 100.....	to	to	50.00	to	60.00	40.00	to	50.00	to	to	40.00
" " & Spreng. 100 bchs. 1.....	to	to	20.00	to	5.00	25.00	to	35.00	30.00	to	50.00

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Hardy Fancy Fern Our Specialty

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Flower Market Reports

The markets are quiet.

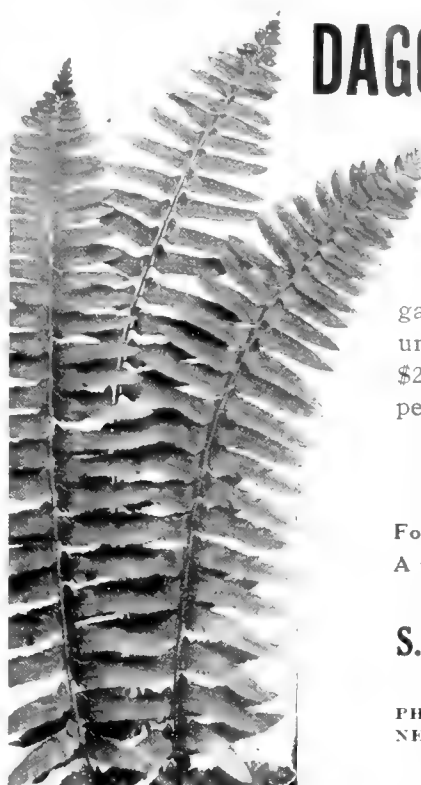
BOSTON The demand is only normal, concentrating mostly on the novelties and spring flowers, such as irises, gladioli, calendulas, marguerites, etc. Roses are plentiful and of fair quality, but only medium prices can be secured for even the best stock. At the present writing there are indications of carnations shortening up. There is a plentiful supply of orchids and gardenias which move slowly. The redeeming features in the retail trade this past week have been some large college and private decorations. Local growers anticipate serious competition with the sale of artificial flowers for Memorial Day. Last year's business was disappointing in this respect.

Nothing flourishing the

BUFFALO past week; a few weddings and floral work lightly scattered brought a little business. Stock plentiful and there is no heavy speculative buying. Carnations come in good supply, roses are plentiful and there is a general lot of everything all along the line. It is an easy matter for the retail merchant to get about everything wanted at his own figure, high prices being out of the question on anything. Saturday was "lilac day" and loads of this stock had to be moved at any price obtainable and it had a tendency to lower the price and check the sale on other stock. Darwin tulips are good. Lily of the valley has a good demand, also sweet peas. Lilies, daisies and Beauties move well. Peonies are coming in, but there is no special demand on these at this time.

Toward the latter part

CHICAGO of last week trade was fairly good. An excellent quality of stock was coming into the market and there was a fair demand for it. Saturday morning retailers bought up a good supply, anticipating a brisk week-end trade but were doomed to disappointment, for a cold rain kept most people indoors. Sunday was like November and Monday found Saturday's stock still in the ice boxes so wholesalers had little trade. American Beauty roses are to be had in any quantity, some long ones of fine quality being offered though many medium and short lengths of an inferior grade are also seen. Roses are plentiful and every kind can be had as well as every grade of each kind. Miscellaneous flowers of many sorts are brought in and customers have plenty to choose from. Snapdragons are now seen in exquisite shades. Some of the most beautiful shades are much used in making up baskets for wedding decorations, etc., and as show window attractions they are most desirable. Carnations are plentiful because trade is light, but there is only a fair cut. Peonies are coming in but it is said that the usual number to date is not in cold storage. Opinions differ regarding the stock likely to be in the market for Memorial Day. Of the



DAGGER FERNS



For Memorial Day, nearby Dagger Ferns—not the inferior stock that is being offered in such quantities, but large, elegant, well selected fronds, put up in uniform packages, ready about May 20, \$2.50 per 1000; in lots of 10,000, \$2.00 per 1000.

PEONIES

For Memorial Day, \$6.00 to \$8.00 per 100
A few Novelties, \$10.00 and \$12.00 per 100

S. S. PENNOCK-MEEHAN CO.

THE WHOLESALE FLORISTS OF PHILADELPHIA

PHILADELPHIA, 1608-1620 Ludlow Street

NEW YORK, 117 West 28th Street

BALTIMORE, Franklin and St. Paul Sts.

WASHINGTON, 1216 H St., N. W.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON May 20		ST. LOUIS May 17		PHILA. May 17	
Roses						
Am. Beauty, Special	15.00	to 20.00	20.00	to 35.00	15.00	to 25.00
" " Fancy and Extra	10.00	to 12.00	10.00	to 15.00	10.00	to 15.00
" " No. 1	4.00	to 10.00	5.00	to 8.00	5.00	to 10.00
Killarney, Richmond, Extra	4.00	to 10.00	4.00	to 6.00	3.00	to 6.00
" " Ordinary	1.00	to 3.00	1.00	to 2.00	1.00	to 3.00
Hillingdon, Ward, Sunburst, Extra	6.00	to 10.00	4.00	to 8.00	3.00	to 8.00
" " Ordinary	2.00	to 4.00	2.00	to 3.00	2.00	to 3.00
Maryland, Radiance, Taft, Extra	6.00	to 10.00	4.00	to 6.00	3.00	to 6.00
" " Ordinary	3.00	to 4.00	2.00	to 3.00	1.00	to 3.00
Russell, Hadley, Ophelia, Mock	4.00	to 12.00	5.00	to 10.00	3.00	to 10.00
Carnations, Fancy	2.00	to 3.00	1.00	to 2.00	2.00	to 3.00
" " Ordinary	1.50	to 2.00	.50	to .75	1.00	to 2.00
Cattleyas	35.00	to 50.00	35.00	to 40.00	25.00	to 50.00
Lilies, Longiflorum	6.00	to 8.00	6.00	to 8.00	5.00	to 8.00
" " Rubrum	.....	to 6.00	.....	to .....	.....	to
Lily of the Valley	2.50	to 3.00	3.00	to 4.00	1.00	to 4.00
Daisies	.50	to 1.50	1.00	to 2.00	.50	to 1.00
Stocks	1.00	to 1.50	1.00	to 3.00	1.00	to 2.50
Snapdragon	2.00	to 4.00	2.00	to 3.00	2.00	to 3.50
Iris	1.00	to 2.00	.....	to .....	.....	to
Gladioli	2.50	to 3.00	4.00	to 6.00	2.00	to 5.00
Calendulas	.....	to 1.00	.....	to 2.00	3.00	to 6.00
Sweet Peas	.25	to 1.00	.15	to .40	.15	to 1.00
Corn Flower	.50	to .75	.....	to	1.00	to 1.50
Gardenias	10.00	to 15.00	.....	to ...	8.00	to 12.00
Adiantum	.50	to 1.00	1.00	to 1.25	.75	to 1.00
Smilax	10.00	to 12.00	10.00	to 15.00	.....	to 20.00
Asparagus Plumosus, Strings (100)	25.00	to 50.00	35.00	to 50.00	50.00	to 75.00
" " & Spreng. (100 Bchs.)	25.00	to 40.00	15.00	to 20.00	25.00	to 50.00

three mainstays, carnations, peonies and roses, the last appear to be most likely to be here in quantity. This is deducted from the expressions of the largest dealers who have been long in the trade. Opinions differ most regarding peonies.

CINCINNATI

The general tone of the market is better than it was. The call for stock is about the same but the supply of stock has shortened greatly. There are, however, plenty of flowers to go around. Peony receipts are becoming very large. The general quality of the blooms is exceptionally good. Roses are still plentiful. As a whole they have only a fair market. Carnations, too, are in a heavy supply but most of the blooms

are rather off in size and color. More lilies are coming in than are necessary. There are very fine outdoor sweet peas, orchids and lily of the valley. Gladioli sell pretty well. Other offerings include corn-flower, snapdragon, iris and some outdoor shrub bloom.

NEW YORK

Business is very apathetic and, although the spell of cold weather which has been on all this week has materially reduced the receipts of many things at the wholesale markets this has not been followed by any recovery in prices or clean-up conditions on any desirable item. The effect of the chilly temperatures has naturally been good on most of the crops, par-

(Continued on page 700)

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Choice Cut Flowers

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New York

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Call and inspect the Best Establishment
in the Wholesale Flower District.

GEO. C. SIEBRECHT

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CONSIGNMENTS SOLICITED

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Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Decorative Glassware, Growers and
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Prices Right. Consignments Solicited. Telephone Connection

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WHOLESALE FLORISTS, 34 West 28th St., New York

Telephones { 1664 / 1665 } Madison Square

CONSIGNMENTS SOLICITED

NEW YORK QUOTATIONS PER 100. To Dealers Only**ROSES AND CARNATIONS**

	Last Half of Week ending May 15 1915		First Half of Week beginning May 17 1915	
American Beauty, Special	8.00	to 15.00	8.00	to 20.00
" " Fancy and Extra	4.00	to 8.00	4.00	to 8.00
" " No. 1	2.00	to 3.00	2.00	to 3.00
Killarney, Richmond, Extra	2.00	to 4.00	2.00	to 5.00
" " Ordinary	.50	to 2.00	.50	to 3.00
Hillingdon, Ward, Sunburst, Extra	2.00	to 4.00	2.00	to 5.00
" " Ordinary	.50	to 2.00	.50	to 3.00
Maryland, Radiance, Taft, Extra	2.00	to 4.00	2.00	to 5.00
" " Ordinary	.50	to 2.00	.50	to 3.00
Russell, Hadley, Ophelia, Mock	2.00	to 12.00	2.00	to 12.00
Carnations, Fancy	1.50	to 3.00	1.50	to 2.00
" " Ordinary	1.00	to 1.50	1.00	to 1.50

Tel 167 and 4468 Madison Sq.

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Open 6 a. m. daily

"OLD AND RELIABLE," YET ALWAYS PROGRESSIVE

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Has removed to a more spacious and modern equipped store at 118
West 28th Street. Every facility and convenience for the care and
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CHOICE CUT FLOWERS

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Telephone—3532-3533 Madison Square

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TRAENDLY & SCHENCK

Wholesale Florists

436 6th Avenue, Between 26th and 27th Sts., New York

Telephones: 798 and 799 Madison Square
Consignments Solicited

GUTTMAN & RAYNOR, Inc.

A. J. GUTTMAN, President.

Wholesale Florists

101 W. 28th St., NEW YORK

We have 20 years' experience behind us.
Telephone, Madison Square 896 and 897.



Flower Market Reports

(Continued from page 697)

ticularly roses, which as a rule are of excellent quality. Orchids continue to move very slowly and prices rule very low. Peonies from points to the south are being received in good condition. The gardenia and lily of the valley market are at low ebb, the latter being sent in from outside beds in enormous quantities. Outdoor gardenias from the south are also due. Carnations and sweet peas over plentiful with all traces of the recent price disturbance gone.

During the early part of last week business

was rather slow owing to the aftermath of Mothers' Day trading. But by the end of the week things picked up and the market assumed a better tone. This was caused to a large extent by the church processions. While these functions do not aggregate much in dollars—as they only consume low priced flowers—still they use up a large quantity of these; and on top of the regular demand this has a tendency to firm things up all along the line. The prices did not go up but they held fairly steady which is always something to be thankful for. Roses are quite plentiful considering the lateness of the season. American Beauties are in moderate supply only, but enough for all demands. Some new crop Beauties are now arriving and these, of course, rather get the preference. Russells are still very good and a marked improvement is noticeable in Jonkheer. The warm weather is telling on the Killarneys especially the singles. The doubles are now the best especially the double white which is wonderfully good considering the season. The carnation market held its own in good shape, these being in excellent demand for the church processions. The sweet pea crop is pretty well cut and supplies are not nearly so heavy. The iris is still a feature although the greenhouse-grown Spanish are about past and the cheaper outdoor German now takes their place. Gladioli of the large flowering types from southern points are in ample supply and there is also a fair showing of the baby forms from nearby under-glass. Early peonies like tenuifolia, officinalis, etc., from local sources are to be seen. The earliest of the big fellows (Festiva maxima) will be in this week from favored localities nearby. Looking at my own Festiva this morning I figure they will not be out before the 25th. But my patch is late, being shaded with trees. Outdoor and indoor lilac are both over.

Prices for the past week were much lower than the previous week. Stock of all kinds is in abundance, with demand fairly good every day. The extreme hot weather has caused a falling off in quality. Peonies, daisies, lily of the valley, etc., are coming in heavy and the coming of Cape jessamine from Texas this week will have some effect on regular local stock. Roses are many, with the bulk

For MEMORIAL DAY

STORE OPEN FOR BUSINESS AT 6 A. M.

PATRICK WELCH, WHOLESALE FLORIST

262 DEVONSHIRE STREET, BOSTON, MASS.

Telephone Main 2898

A full supply of all Flowers in the Market. Flowers shipped out of Boston on early trains.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending May 15 1915		First Half of Week beginning May 17 1915	
Cattleyas	10.00	to 25.00	10.00	to 25.00
Lilies, Longiflorum	4.00	to 6.00	3.00	to 6.00
Rubrum	2.00	to 4.00	2.00	to 4.00
Lily of the Valley .....	.50	to 1.50	.50	to 1.50
Daisies	1.00	to 1.00	1.00	to 1.00
Stocks	1.00	to 3.00	1.00	to 3.00
Snapdragon	1.00	to 3.00	1.00	to 3.00
Iris	1.00	to 2.00	1.00	to 2.00
Gladioli	2.00	to 4.00	2.00	to 4.00
Calendulas	2.00	to 3.00	2.00	to 3.00
Sweet Peas .....	.50	to .75	.50	to .75
Corn Flower	1.00	to 1.00	1.00	to 1.00
Gardenias	2.00	to 8.00	2.00	to 8.00
Adiantum .....	.50	to .75	.50	to .75
Smilax	8.00	to 10.00	8.00	to 10.00
Asparagus Plumosus, strings (per 100)	15.00	to 35.00	15.00	to 35.00
& Spreen (100 bunches)	10.00	to 20.00	10.00	to 20.00

of them Killarneys. Extra good long Beauties come in daily. Carnations are coming small.

SAN FRANCISCO is now occupied with the usual

preparations for Memorial Day, and all indications point to ample supplies and an active demand. Current business continues on a fairly satisfactory basis. Carnations have been cleaning up closely the last few days. Iris is still plentiful and the demand is keeping up well. Gladioli are coming into the market in increasing quantities, and some nice offerings of spiraeas are still coming in. The supply of peonies is limited on account of damage by rain to the early stock. There is little change in the rose situation. Some varieties are in slightly oversupply, and there is no line in which a shortage is felt. Sweet peas are of poor substance, and wholesalers have had difficulty in moving their stocks the past week. The late crop looks promising, however, and the demand will no doubt revive as soon as quality can be offered. Orchids are unusually fine and have a good market. Good quality lily of the valley is being readily absorbed.

Business here has improved somewhat and has taken up very well the large quantities of flowers that have been coming in. The coming of warmer weather has had an ill effect on locally grown roses and carnations and increasing the desirability of northern grown stock. Cattleyas have been quite plentiful, exceeding the demand. Gardenias are small and in slight demand. Sweet peas continue quite good. Peonies are coming in large quantities but meet with little sale, plant sales are very satisfactory. In all lines prices are very moderate. Collections are reported as quite slow and money remains tight.

New York City.—The Madison Floral Co. has leased a store at 33rd street and Madison avenue.

NEWS NOTES.

Schenectady, N. Y.—J. E. Felthousen has sold out his plant growing business.

Narragansett Pier, R. I.—Hart & Marketos of New York will conduct the florist shop at the Mathewson this summer.

NEW CROP FANCY FERNS

\$1.25 per 1000

Special Inducements For

QUANTITY ORDERS

Contract Now For

DECORATION DAY REQUIREMENTS

I also handle the very best quality Huckleberry Foliage, Dyed and Natural Sheet Mosses. I am a new Firm in the Field but an Old-Timer in experience. Give Me a Trial.

I WILL PLEASE YOU

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For page see List of Advertisers.

BOILERS

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King Construction Co., North Tonawanda, N. Y.

"King Ideal" Boiler

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Lord & Burnham Co., New York City.

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Hitchings & Co., New York City.

BOXES—CUT FLOWER FOLDING

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made.
Write for list. **HOLTON & HUNKEL CO.**, Milwaukee, Wis.

BOX TREES

BOX TREES—Standards, Pyramids and Bush. In various sizes. Price List on demand. **JULIUS ROEHRS CO.**, Rutherford, N. J.

BUDDLEIA VARIABILIS

W. R. Nicholson, Framingham, Mass.
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BULBS AND TUBERS

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Ralph M. Ward & Co., New York City.
Lily Bulbs.
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August Rolker & Sons, New York City.
Holland and Japan Bulbs.
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Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
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Burnett Bros., 98 Chambers St., New York.
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Henry F. Mitchell Co., Philadelphia, Pa.
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Henry A. Dreer, Philadelphia, Pa.
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Fottler, Flske, Rawson Co., Boston, Mass.
Summer Flowering Bulbs.

C. KEUR & SONS, HILLEGOM, Holland.
Bulbs of all descriptions. Write for prices.
NEW YORK Branch, 8-10 Bridge St.

BUTTERFLIES

New England Entomological Co., Jamaica Plain, Mass.
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CANNAS

R. Vincent, Jr. & Sons Co., White Marsh, Md.
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Canna Specialists.

Send for Canna book.

THE CONARD & JONES COMPANY,

West Grove, Pa.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
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Wood Bros., Fishkill, N. Y.

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CARNATION STAPLES

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 1000 for 35c.; 3000 for \$1.00 post paid. **I. L. PILLSBURY, Galesburg, Ill.**

Supreme Carnation Staples, for repairing split carnations, 35c. per 1000; 3000 for \$1.00. **F. W. WAITE, 85 Belmont Ave., Springfield, Mass.**

CEMETERY BOUQUET VASES.

N. F. McCarthy & Co., Boston, Mass.

CHRYSANTHEMUMS

Poehlmann Bros. Co., Morton Grove, Ill.
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Wood Bros., Fishkill, N. Y.
Chrysanthemums Rooted Cuttings.
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Chas. H. Totty, Madison, N. J.
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Major Benjamin, Pacific Supreme, Alice
Linton, Golden Glow, Chrysolora, rooted
cuttings, \$15.00 per 1000, out of 2 in. pots,
\$20.00 per 1000. **SHEPARD'S GARDEN**
CARNATION CO., Lowell, Mass.

THE BEST 1915 NOVELTIES.

The Cream of 1914 Introductions.

The most popular Commercial and Exhibition kinds; also complete line of Pompons, Singles and Anemones. Trade list on application. **ELMER D. SMITH & CO.**, Adrian, Mich.

Chrysanthemum Rooted Cuttings—Chas. Kaiser, Polly Rose, Ivory, Golden Glow, Donatello, Hallday, Bonnafon, Unaka, Pacific Supreme, Dr. Enguehard, \$15.00 per 1000. J. Nonin, Xmas White, Mrs. Syme, Yanoma, Comoleta, Chrysolora, Roman Gold, Appleton, Minnie Bailey, Wells' Late Pink, Patty, Helen Frick, Harvard, \$17.50 per 1000. **H. J. ROLFE, Hammon, N. J.**

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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CROTONS

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CYCLAMENS

A. M. Davenport, Watertown, Mass.
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DAHLIAS

Send for Wholesale List of whole clumps and separate stock; 40,000 clumps for sale. Northboro Dahlia and Gladiolus Gardens. **J. L. MOORE, Prop., Northboro, Mass.**

NEW PAEONY DAHLIA

John Wanamaker, Newest, Handsomest, Best. New color, new form and new habit of growth. Big stock of best cut-flower varieties. Send list of wants to **PEACOCK DAHLIA FARMS, Berlin, N. J.**

DECORATIVE PLANTS

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Alonzo J. Bryan, Washington, N. J.
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DRACAENA

F. R. Pierson Co., Tarrytown, N. Y.
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Dracaena indivisa, extra heavy, 3½-inch and 5-inch, \$5.00 and \$20.00 per 100. Cash. **F. SOKOL, College St., Worcester, Mass.**

ENGLISH IVY

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Cocoanut Fibre Soil.
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Stump & Walter Co., New York City.
Scotch Soot.
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Farmers' and Florists' Fertilizer Co.,
Chicago, Ill.
Aetna Brand Tankage Fertilizer.
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Pulverized Manure Co., Chicago, Ill.
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Peirce Paper Flower Pot.
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Hilfinger Bros., Ft. Edward, N. Y.
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FUCHSIAS

Fuchsias—Black Prince, Speciosa, double
purple and white, Rooted Cuttings, \$1.00
per 100; 2½-in., \$2.00 per 100.

W. J. BARNETT, R. D. 67, Sharon, Pa.

FUNGINE

Aphine Mfg. Co., Madison, N. J.
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GALAX

Michigan Cut Flower Co., Detroit, Mich.
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GERANIUMS

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GERANIUMS—S. A. Nutt, 3½-in., \$7.00
and \$8.00 per 100; Poltevine, 3½-in. and
4-in., \$8.00 and \$10.00 per 100; La Favorite,
3½-in., \$6.00 and \$8.00 per 100.

Heliotropes, 3½-in., \$8 per 100. Cash.
CHAS. H. GREEN, Spencer, Mass.

Geraniums Nutt, Ricard, Poltevine; Eng-
lish Ivy, Heliotrope, 3½-inch, \$6.00 per 100.
Begonia, Vernon, Salvia, Rontire, white
Marguerite, German Ivy, Dracena indivisa,
3½-inch, \$5.00 per 100. Blue Ageratum,
double Alyssum, 3-inch, \$4.00 per 100.
Coleus Verschaffeltii, Golden Bedder and
other fancy varieties, 2½-inch and 3-inch,
\$2.50 and \$4.00 per 100. Geranium Sallerol,
3-inch, \$5.00 per 100. Vinca variegata, 3½-
inch, \$7.00 per 100. Dracena indivisa, ex-
tra heavy, 5-inch, \$26.00 per 100. Alternan-
thera, red, yellow, 2-inch, \$2.00 per 100.
Cash. F. SOKOL, College St., Worcester,
Mass.

GLADIOLUS

John Lewis Childs, Flowerfield, L. I., N. Y.
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Gladiolus Bulbs on hand. America, Hal-
ley, Augusta, \$1.00 per 100. 50,000 (on boat
near Boston) of America, Halley, Princeps,
Hulot, Mrs. King, Pink Beauty, Lily Leh-
man. Get my prices. THOMAS COGGER,
229 Laurel St., Melrose, Mass.

GLASS

Sharp, Partridge & Co., Chicago.
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Parshelsky Bros., Inc., Brooklyn, N. Y.
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Greenhouse glass, lowest prices. JOHN-
STON GLASS CO., Hartford City, Ind.

GLASS CUTTERS

Smith & Hemenway Co., New York City.
Red Devil Glass Cutter.
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GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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GOLD FISH

Gold fish, aquarium plants, snails, cas-
tles, globes, aquarium, fish goods, nets,
etc., wholesale. FRANKLIN BARRETT,
Breeder, 4815 D St., Olney, Philadelphia,
Pa. Large breeding pairs for sale. Send
for price list.

GREENHOUSE BUILDING MATERIAL

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Lord & Burnham Co., New York City.
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A. T. Stearns Lumber Co., Neponset,
Boston.
Stearns Cypress.

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HAIL INSURANCE

Florists' Hall Asso. of America.
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HARDY FERNS AND GREEN GOODS

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Knud Nielsen, Evergreen, Ala.

Natural Green Sheet Moss, Fancy and Dag-
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Standard Insecticides.
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Nicotine Mfg. Co., St. Louis, Mo.
Aphis Punk and Nikoteen.
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Roman J. Irwin, New York City.
Nico Fume Liquid and Paper.
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APHIDSPRA—Non-poisonous; kills suck-
ing insects; 30c.

ACMESPRAY—Non-poisonous; controls
leaf eating worms; 50c.

WRIGHT, East Islip, N. Y.

IRRIGATION EQUIPMENT

Geo. N. Barrie, Brookline, Mass.
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IVY

English Ivy Rooted Cuttings, 75c. per 100,
post paid. From soil 20 to 30 in., \$3.00.
From pots 12 to 15 in., \$4.00. CHAS. FROST,
Kenilworth, N. J.

JUNIPERUS SABINA VAR. PROCUMBENS

Mt. Desert Nurseries, Bar Harbor, Me.
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LEMON OIL

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LILY BULBS

Chas. Schwake & Co., New York City
Horticultural Importers and Exporters
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R. M. Ward & Co., New York, N. Y.
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Corp. of Chas. F. Meyer, New York City
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Lily of the Valley Pips.
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LIQUID PUTTY MACHINE

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In writing to Advertisers kindly mention Horticulture

MASITCA

W. O. Plummer, New York City
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MODERN IRRIGATION

J. P. Campbell, New York City

NATIONAL NURSERYMAN

National Nurseryman Publishing Co., Inc.,
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Hardy, Northern Grown Stock.
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Gobbink & Atkins, Rutherford, N. J.
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Framingham Nurseries, Framingham, Mass.
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August Rolker & Sons, New York City
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Choicest lawn shrubs, covering plants and
border perennials. Large stock. Prices
low. Any quantity. Send for list.

WYOMANOCK NURSERIES

R. T. Lebanon Springs, N. Y.

NUT GROWING

The Nut-Grower Waycross, Ga.
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ORNAMENTAL PLANTS

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ONION SETS

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PANSY PLANTS

Leonard G. Busch, Jr., Concord Junction, Mass.
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PEONIES

Peonies. The world's greatest collection.
1200 sorts. Send for list. C. BETSCHER,
Canal Dover, O.

PECKY CYPRESS BENCHES

A. T. Stearns Lumber Co., Boston, Mass.

PIPE AND FITTINGS

Kroeschell Bros. Co., Chicago.
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August Rolker & Sons, New York City
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PLANT TRELLISES AND STAKES

Seeds, Trellis Plant Stakes and Trellises
H. D. SEELE & SONS, Elkhart, Ind.

PLANT TUBS

American Woodenware Mfg. Co., Toledo, O.
Tree Tubs and Brass Hoop Jardinieres
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H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

POINSETTIAS

A. H. H. & Co., Chicago, Ill.
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PRIVET

California Privet, 12 to 18 in., \$8.50; 18
to 24 in., \$11.50; 24 to 30 in., \$16.00; 30 to
36 in., \$20.50.

Amoor River North, transplants, \$10.00;
12 to 18 in., \$15.00; 18 to 24 in., \$20.00; 24
to 30 in., \$25.00 per 1000. Dormant, No. 1
stock in storage. Shipment the day order
is received. VALDESIAN NURSERIES,
Boston, N. C.

RATILIA

McHutchison & Co., New York, N. Y.
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Rose Specialists.
THE CONARD & JONES COMPANY,
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SEEDS

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Kelway & Son,
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Kelway's Celebrated English Strain Garden
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W. Atlee Burpee & Co., Philadelphia, Pa.
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W. E. Marshall & Co., New York City.
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Burnett Bros., 98 Chambers St., New York.
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Fottler, Fliske, Rawson Co., Boston, Mass.
Aster Seed.

Leonard Seed Co., Chicago, Ill.
Peas, Beans, Radish and all Garden Seeds.

SKINNER IRRIGATION SYSTEM

Geo. N. Barrie, Brookline, Mass.
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SNAPDRAGONS

Thoroughly Tested Strains.

Silver Pink, Golden Fleece, Pure white
(winter bloomer). Rooted cuttings, \$2.00
per 100; potted plants, 2-inch, \$4.00 per 100.

F. SOUTHWORTH,

25 Hudson St., Lynn, Mass.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and
orchid baskets always on hand. LAGER
& HURRELL, Summit, N. J.

SPRAYERS

George N. Barrie, Brookline, Mass.
The Barrie Soap Sprayer.
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STOVE PLANTS

Orchids—Largest stock in the country—
Stove plants and Crotons, finest collection.
JULIUS ROEHRS CO., Rutherford, N. J.

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SWEET PEA SEED

Ant. C. Zvolanek, Lompoc, Calif.
New Price List.
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S. Bryson Ayres Co.,
Sunnyslope, Independence, Mo.
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THE ANGLE LAMP

Globe Gas Light Co., Boston, Mass.

VEGETABLE PLANTS

R. Vincent, Jr. & Sons Co., White Marsh, Md.
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Celery Plants: Golden Self-Blanching
(French strain), fine plants, ready now,
\$2.00 per 1000. Cash. Special prices on
large lots. **BRILL CELERY GARDENS,**
Kalamazoo, Mich.

VENTILATING APPARATUS

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The John A. Evans Co., Richmond, Ind.
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Aphine Mfg. Co., Madison, N. J.
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VINCAS

E. R. Pierson Co., Tarrytown, N. Y.
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Vinca Variegata from 4-inch pots, \$10 per
100. **WM. CAPSTICK,** Auburndale, Mass.

WEED DESTROYER

Pino-Lyptol Chemical Co., New York City.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
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Reed & Keller, New York City.
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**WILLIAM E. HEILSCHER'S WIRE
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Albany, N. Y.

Albany Cut Flower Exchange, Albany, N. Y.
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Brooklyn

Wm. H. Kuebler, 28 Willoughby St.
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Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.
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Chicago

Poehlmann Bros. Co., Morton Grove, Ill.
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Cincinnati

C. E. Critchell, 34-36 Third Ave., East.
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Detroit

Michigan Cut Flower Exchange, 38 and 40
Broadway.
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New York

H. E. Froment, 148 W. 28th St.
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SEASONABLE PLANT STOCK—Continued

New York

James McManus, 105 W. 28th St.
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W. F. Sheridan, 133 W. 28th St.
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P. J. Smith, 131 West 28th St., N. Y.
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Moore, Hentz & Nash, 55 and 57 W. 26th St.
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New York

Charles Millang, 55 and 57 West 26th St.
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W. P. Ford, New York
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The S. S. Pennock-Meehan Co., 117 West
28th St.
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Traendly & Schenck, 433 6th Ave., between
26th and 27th Sts.
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Badgley, Riedel & Meyer, Inc., New York.
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Woodrow & Marketos, 37 & 39 West 28th St.
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J. K. Allen, 118 W. 28th St.
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George C. Siebrecht, 109 W. 28th St.
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John Young, 53 West 28th St.
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M. C. Ford, 121 West 28th St.
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Guttman & Reynor, Inc., 101 W. 28th St.,
New York.
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Philadelphia

Leo, Niessen Co., 12th and Race Sts.
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Edward Reid, 1619-21 Ranstead St.
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The S. S. Pennock-Meehan Co., 1606-20
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Stuart H. Miller, 1617 Ranstead St.
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Richmond, Ind.

E. G. Hill Co.
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Rochester, N. Y.

George B. Hart, 24 Stone St.
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Washington

The S. S. Pennock-Meehan Co., 1216 H St.,
N. W.
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New Offers In This Issue**ASPARAGUS AND FRESH PALM SEED.**

Arthur T. Boddington, New York City.
For page see List of Advertisers.

BEDDING PLANTS.

H. Hansen, Malden, Mass.
For page see List of Advertisers.

DAGGER FERNS.

S. S. Pennock-Meehan Co., Philadelphia, Pa.
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DECORATION DAY FLOWERS AND SUPPLIES.

N. F. McCarthy, Boston, Mass.
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DECORATION DAY FLOWERS AND SUPPLIES.

Welch Bros. Co., Boston, Mass.
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FLOWERS BY TELEGRAPH.

National Floral Corporation, New York
City.
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FLOWERS FOR MEMORIAL DAY.

Shepard's Garden Carnation Co., Lowell,
Mass.
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GREENHOUSE GLASS.

Royal Glass Works, New York City.
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HARDY LILIES FOR IMMEDIATE SHIPMENT.

Roman J. Irwin, New York City.
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JUNIPERUS PROCUMBENS.

Mt. Desert Nurseries, Bar Harbor, Me.
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NEW DAGGER FERNS.

The Leo Niessen Co., Philadelphia, Pa.
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SEEDS FOR PRESENT SOWING.

Henry F. Michell Co., Philadelphia, Pa.
For page see List of Advertisers.

WANTS, FOR SALE, ETC.

Advertisements in this column
one cent a word. Initials count as
as words. Cash with order. All
correspondence addressed "Care
HORTICULTURE" should be sent
to 147 Summer St., Boston.

HELP WANTED

WANTED—First-class Greenhouse Man,
on Private place, under Superintendent.
Salary \$40.00 per month with Room and
Board. State experience, age and nation-
ality. Must be single. **CARL RUST PAR-
KER,** 910 Fidelity Building, Portland, Me.

FOR SALE

FOR SALE—Fresh from factory, new,
10 x 12, 16 x 18, 16 x 24, double thick. A
and B qualities. Market dropped. Now is
the time to buy and save money. **PAR
SHELSKY BROS., INC.,** 215-217 Haver-
meyer St., Brooklyn, N. Y.

Will you please discontinue my clas-
sified gladioli advertisement now run-
ning in your paper? I am sold out of
nearly all varieties, especially those
called for by your readers, and hope
to have as good success with you next
year. Yours truly,
Mass. R. W. S.

THE NUT-GROWER

The unique monthly publica-
tion which furnishes reliable
and interesting up-to-date in-
formation regarding the value
of pecans and other edible nuts
and how to grow them for profit.

Subscription, \$1.00 per year

Sample Copy Free

THE NUT-GROWER
WAYCROSS, GA.

In writing to Advertisers kindly mention Horticulture

A FINE CARNATION HOUSE.



The above picture represents A. A. Pembroke's fine carnation house at North Beverly, Mass., immediately after the tremendous cut of Mother's Day crop. Mr. Pembroke secured the

top-notch market prices for his product and for Memorial Day expects to do equally as well. The interest in this photograph lies in the neatness and thorough adaptability of the equip-

ment and structure by Lord & Burnham Co., 60 feet by 450 feet. Mr. Pembroke is the man whose carnations captured so many prizes at Buffalo last January.

"EQUAL TO GOLD MINING."

Vegetable growing shows up very well in comparison with gold mining as a wealth producer in this country. Its total value in one year is estimated at \$216,257,068. Of this grand total, New York State is credited with \$15,936,000, Ohio with \$11,394,000, and Pennsylvania with \$10,014,000. If these states were producing that much gold, people would be patting them on the back as important mining states. The

New York State Department of Agriculture has been one of the most efficient in the country, and its Director of Farmers' Institutes, Edward van Alstyne, is a recognized authority on farm problems. His opinion of John W. Lloyd's "Productive Vegetable Growing" has great weight. He says of the book: "I consider it intensely practical and of great value to both the individual who may be interested in vegetable growing and also as a text book for students in our agricultural schools." You can increase your own prosperity and that of your state, by applying Professor Lloyd's methods of efficiency to the business of growing vegetables—there's money in it.

placed at 50c. per square foot of glass. The income to the producer is estimated to average 50c. per square foot annually.

For the borders, among other hardy flowers, for isolated groupings against a background of shrubs, or for combinations of delicate colors for effects of contrast in the flower-garden, the Darwin tulips are matchless.

THE PRACTICAL BOOK OF Outdoor Rose Growing

FOR THE HOME GARDEN

by

GEORGE C. THOMAS, JR.

Elaborately Illustrated with 96 Perfect Reproductions in Full Color of All Varieties of Roses, and a Few Half-tone Plates. Octavo, Handsome Cloth Binding, in a Slip Case. \$4.00 net. Postage Extra.

We have sold a number of copies of this sterling book. One purchaser writes as follows:

HORTICULTURE, Boston, Mass.

Dear Sir: Some time ago we ordered a copy of Thomas' Book on Roses. We promised to send you postage as soon as we learned the amount. The book was so good that we forgot all about postage until today. Please forgive our lapse of memory.

We loaned it to a friend and he likes it so well we're afraid that we will have to buy another.

Respectfully,

New York.

A. R.

Every rose grower should possess a copy of this book.

IT IS THE REAL THING

Order From

Horticulture Publishing Co.

BOSTON.

EXPENSIVE PLANT FOOD.

The Pittsburgh Post has a big advertisement headed:

"RADIUM MAKES THINGS GROW"

It is a "coupon" scheme for sending out five-pound cans of Radium Plant Food. The retail price is 20 cents a pound, but if you use the "coupon" you can get the stuff at 89 cents for five pounds including postage! This means \$356 a ton for a mixture without any guaranteed analysis and which the U. S. Government has advised people not to buy. How they do like to play with this word "Radium!" The Post ought to know better than to boost such a proposition. If it wants to give people a fair bargain in plant food why not get some reputable dealer to mix nitrate, dried blood, acid phosphate and potash? That mixture will surely give results and could be sold at 25 cents the five-pound can at 100 per cent. profit.—*Rural New Yorker*.

DO YOU KNOW THAT—

Soaking the seeds of sweet peas in sulphuric acid for five minutes increases the per cent. of germination, and at the same time kills all the spores which adhere to the seed coat.

The estimated value of greenhouse property in this country, including houses, boilers, and all fixtures, is

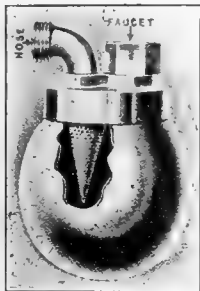
BAILEY'S NEW STANDARD Cyclopedia of Horticulture

Six large quarto volumes. More than 3,600 pages. 24 exquisite full-page color plates. 96 full-page sepia halftones and more than 4,000 text engravings. 500 collaborators. Approximately 4,000 genera, 15,000 species and 40,000 plant names.

The new Standard Cyclopedia of Horticulture has been freshly written in the light of the most recent research and experience. It is not merely an ordinary revision or corrected edition of the old Cyclopedia, but it is a new work from start to finish with enlarged boundaries geographically and practically; it supersedes and displaces all previous editions or reprints of every kind whatsoever. It is both an Encyclopedia and a Manual, for with the aid of its Synopsis and Key, amateur and professional alike may quickly identify any plant, shrub or fruit contained within the set, and then receive expert instructions for its cultivation. Price \$6.00 per volume. Two volumes have now been issued and the others will follow in succession. Order from

HORTICULTURE PUBLISHING CO.

147 Summer Street, Boston, Mass.



BARRIE SOAP SPRAYER

The Indestructible Sprayer with NO MOVING PARTS

It will apply any soap base insecticide, and will reduce the labor and cost of spraying in any greenhouse or garden **FULLY SIXTY PER CENT.** It offers absolute control of aphids, beetle, spider and plantlice of all kinds, and is of great benefit with thrips and scale.

Made of Brass, Nickel-Plated, Lasts Forever

PRICE THREE DOLLARS—Send for Circular

(Seed Houses should Write for Discount.)

GEORGE N. BARRIE, Brookline, Mass.



NIKOTEEN For Spraying APHIS PUNK For Fumigating

ASK YOUR DEALER FOR IT.

NICOTINE MFG. CO. ST. LOUIS, MO.

PUBLICATION RECEIVED

Citrus Fruits, By J. Eliot Coit. The latest addition to the Rural Science Series published by the MacMillan Company, New York. L. H. Bailey, Editor. Few works on any subject of this character have been prepared with greater thoroughness in practical details. All the most up-to-date information and advice on every phase of the great citrus industry are contained in the pages of this volume. History, propagation, tillage, the combating of insects and diseases, the handling and marketing of the fruits, are all fully covered to the end that the successful culture of oranges, lemons and grapefruit may be made known and the industry be made to yield an adequate income. The author has spent many years in close touch with his subject as professor of citriculture in the University of California and other positions of prominence gaining the experience which enables him to speak with authority on the underlying fundamentals of this comparatively new industry and to collate in orderly arrangement all the information available at this time. There are twenty-five chapters, with some three hundred or more sub-divisions, and the illustrations number one hundred and fifty-one. The price of the book is \$2.00.

BUSINESS TROUBLES.

Dayton, O.—Advance Floral Co., 47 Arcade Market, E. E. Schaeffer, treasurer, assets, \$9,977, liabilities, \$12,000.

Port Jarvis, N. Y.—Following the application of Hunt & Anderson, attorney for former surrogate Isaac Schoenthal, of Essex County, Vice Chancellor Stevens, of Newark, has made an order placing the New Jersey Gardens Company, operating at LaFayette, in the hands of a receiver, J. Cooke Hendershott, of Newton, has been appointed the receiver. The receiver's bond is fixed at \$15,000. Mr. Schoenthal is a stockholder of the company, which was organized about four years ago.

LEMON OIL CO'S STANDARD INSECTICIDE

Guaranteed under the Insecticide Act, 1910. Series No. 321

Save your plants and trees. Just the thing for Greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrip, Red Spider, Black and Green Fly, Mites, Ants, Insects on Rose-bushes, Carnations, etc., without injury to plants and without odor. Used according to directions our standard Insecticide will prevent ravages on your crops by insects.

Non-poisonous and harmless to user and plants. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pests. Excellent as a wash for dogs and other animals. Relieves mange.

Effective where others fail.

½ Pint...25c; Pint...40c; Quart...75c
½ Gal., \$1.25; Gal., \$2.00; 5 Gal. Can., \$9
10 Gal. Can...\$17.50

Dilute with water 30 to 50 parts.

For Sale by Seedsmen and Florists' Supply Houses
If you cannot obtain this from your supply house write us direct.

LEMON OIL COMPANY, Dept. K

420 W. Lexington St., Baltimore, Md.

Directions on every package



DREER'S

Florist Specialties.
New Brand. New Style.
Hose "RIVERTON"

Furnished in lengths up to 500 ft. without seam or joint.

THE HOSE for the FLORIST

¾-inch, per ft., 13 c.

Reel of 500 ft., 14½ c

2 Reels, 1000 ft., 14 c.

¾-inch, 13 c.

Reels, 500 ft., 12½ c

Couplings furnished

HENRY A. DREER,

714 Chestnut St.,

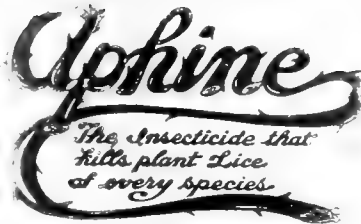
PHILADELPHIA, PA.

LITTLE ADS. BRING BIG RETURNS

Little ads. in our Classified Columns bring big returns to both advertiser and purchaser.

Anything that can be sold to florists, gardeners, park and cemetery superintendents, etc., can be sold through this medium in this department, and at very small cost. Don't fail to read them each issue, for you will find one or more that will prove profitable to you.

They Cost Only Once Cent a Word
Undisplayed.



The Recognized Standard Insecticide.

A spray remedy for green, black, white fly, red spider, thrips, mealy bug and soft scale.
Quart, \$1.00; Gallon, \$2.50.

FUNCINE

An infallible spray remedy for rose mildew, carnation and chrysanthemum rust.
Quart, 75c; Gallon, \$2.00.

VERMINE

A soil sterilizer for cut, eel, wire and angle worms.

Quart, \$1.00; Gallon, \$3.00.

SCALINE

A scaleicide and fungicide combined for San Jose and various scale on trees and hardy stock, and various blights which affect them.

Quart, 75c; Gallon, \$1.50.

NIKOTIANA

A 12% nicotine solution properly diluted for fumigating or vaporizing.

Quart, \$1.50; Gallon, \$4.50.

If you cannot obtain our products from your local dealer, send us your order and we will ship immediately through our nearest agent.

Aphine Manufacturing Co.
MADISON, N. J.

GEO. A. BURNISTON
President

M. C. EBEL
Treasurer

SCOTCH SOOT

Where there is a house that is just full of buds almost ready to show color, nothing will turn better color into the flowers than a little soot, that can be scattered over the benches before watering. The amount applied should not be excessive, as the soot is very strong and may damage some of the foliage somewhat. Apply just enough to blacken the surface of the soil in the benches, and let it go at that. Better a little oftener than too much all at once.

We offer the genuine in original cwt. Sacks, at:
\$4.00 per 112 lbs.; \$17.50 per 560 lbs.

Stumpp & Walter Co.

30-32 Barclay Street, NEW YORK

Cocoanut Fibre Soil WAR

Does not stop the use of Humus. All seedsmen keep it in stock. It is the last word in Fertilizing Humus.

Send for Prices.

20th CENTURY PLANT FOOD CO.

27 & 29 OCEAN ST.,

BEVERLY, MASS.

Aetna Brand Tankage Fertilizer

Is the best balanced Fertilizer on the market, and is giving satisfactory results wherever used.

Farmers and Florists Fertilizer Company

809 Exchange Ave., Room 5, U. S. Yards,
CHICAGO, ILL.

Telephone—Drover 1932.

When writing to advertisers kindly mention HORTICULTURE.

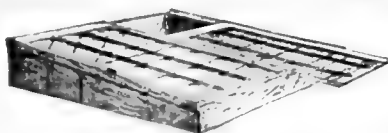
Est. 1765

FOR "POT LUCK" USE

Inc. 1904

Pot Makers for a
Century and a Half**HEWS STANDARD POTS**World's Largest
ManufacturersWrite for Catalogue
and Discounts**A. H. HEWS & CO., Inc., Cambridge, Mass.**Warehouses:
CAMBRIDGE, MASS.
NEW YORK, N. Y.GREENHOUSES BUILDING OR CON-
TEMPLATED.East Orange, N. J.—Charles Hale,
two houses.Houston, Tex. Brazos Greenhouses,
additionsNew Bedford, Mass. Joseph V.
Pierce, one houseWindsor, Ont.—D. Parent, 261
Goyeau st., one house.Greenwich, Ct. MacMillen & Co.,
two houses each 15 x 50Kankakee, Ill.—D. F. Harrison Co.,
range of vegetable houses.Conneaut, O.—L. A. Eaton & Son,
Center st., addition 18 x 65.Springfield, Mass.—Robert C. Bath,
641 Riverdale st., one house.Moorhead, Minn.—J. W. Briggs,
Front and 8th sts., one house.Hartford, Ct. John Coombs, South
st., near George st., one house.Philadelphia, Pa.—Dr. Samuel C.
Blair, 7362 Ridge ave., one house.St. Petersburg, Fla.—Royal Poin-
ciana Nursery Co., house 20 x 100.Sandwich, Ill.—Mrs. Francis Spick-
erman, retail show house. Moninger
contract.Greenville, Mich. Thos. F. Brown,
cucumber house 84 x 600. Moninger
contract.Central Valley, N. Y.—J. Barlow
Ford, one house. L. M. Pemberton,
contractor.Ann Arbor, Mich.—Ann Arbor Green-
house Co., two vegetable houses each
22 x 300. Moninger contract.Waverley, Mass.—W. W. Edgar Co.,
has awarded the contract for remodel-
ling their greenhouses to Lord and
Burnham Co.Springfield, N. J.—Dr. W. B. Morris
and J. N. Jakobsen, range of green-
houses to be erected at Westfield and
Mountain Aves.**NEW CORPORATIONS.**North Vernon, Ind.—King Seed Co.,
capital stock, \$10,000. Incorporators,
N. M., J. M. King and E. E. Walker.New York, N. Y.—Gibson Develop-
ment Co., agricultural, horticultural
and sylvicultural, capital stock,
\$10,000. Incorporators, A. G. Wigren,
H. D. and C. E. Gibson, 30 W. 19th st.**Florist's Pliers****"Red Devil" No. 622-5½ in.**cuts wires as easily as
shears cut a stem.
Hand honed edge—
keeps its edge; handles
fit the hand and make
the tool work more
easily.Fits the vest pocket.
70c at your dealer's or
postpaid from us.Write for "RED
DEVIL" Booklet.SMITH & HEMENWAY CO., Inc.
81 Chambers St., New York City

TRADE
**SKINNER
SYSTEM**
OF IRRIGATION.
MARK.
for Farm, Garden,
Lawn and Greenhouse
Ask for Information
GEO. N. BARRIE
BROOKLINE, - - - MASS.



Hotbed Sash at 75c each
Made of best grade Gulf cypress.
Glazed Hotbed Sash from \$1.65 up.
Double Light Sash up to \$4.00.
We carry a large stock of all sizes.
Write us for estimate.
S. JACOBS & SONS
1359-1385 Flushing Avenue BROOKLYN, N. Y.

GLASS CUTTING MADE EASY.

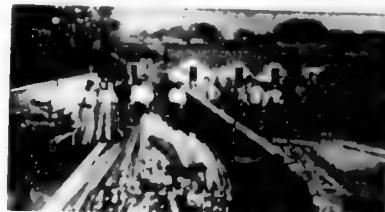
Florists who wish to cut glass as easily as snipping off a bud, with a clean cut free from splinters, will find the "Red Devil" glass cutters very useful and economical for the purpose. We are told that they are the only glass cutters on the market with genuine hand-honed and tested steel wheels. Just as a horse is no better than its feet, so a glass cutter is no better than its wheels.

But because the enthusiastic users of "Red Devil" glass cutters proclaim that it's all in the wheel, sight must not be lost of the fatigue proof handles and the scientific shape of the entire tool.

"Red Devil" cutters are sold as low as 10c. each and they run up as high as 50c. with all the trimmings. Readers interested further in the subject will do well to write for a booklet of forty styles of glass cutters "Red Devil," to the makers, Smith & Hemenway Co., Inc., 181 Chambers street, New York.

Nashua, N. H. The greenhouse property and business of August Gaedeke & Co. has been sold to Fred D. Sperry, of Reading, Mass. August Gaedeke, who has been in the florist business in Nashua for the past thirty years and has had a very successful career will remain in charge of the business for the present and will have his brother, Rudolph, associated with him. Extensive improvements in property are contemplated.

We Erected the Greenhouses in Prospect Park
(Brooklyn, N. Y.) At Top-Notch Speed.



Step No. 2. Erecting the superstructure and iron work took us two weeks.

Enough masons, iron workers and carpenters were put on the job to bring the work to an early completion. Laying the foundation, erecting the walls, superstructure and iron work took four weeks. That's speed. The life of a Metropolitan greenhouse is longer than that of any other make. If you contemplate building one, allow us to submit plans and prices. We show best results, and what's more we can save you money.

Plans and prices sent without obligation.

We go anywhere in the U. S. A.
Metropolitan Material Company
1392-1414 Metropolitan Ave., BROOKLYN, N. Y.

**1000 READY PACKED CRATES
STANDARD FLOWER POTS AND BULB PANS**

can be shipped at an hour's notice. Price
per crate:

2009 1¼ in. @ \$6.00	500 4 in. @ \$4.50
1500 2 " " 4.88	450 4½ " " 5.24
1500 2¼ " " 5.25	320 5 " " 4.81
1500 2½ " " 6.00	210 5½ " " 3.76
1000 3 " " 5.00	144 6 " " 3.10
800 3½ " " 5.80	120 7 " " 4.20
	60 8 " " 3.00

HILFINGER BROS., Pottery, Fort Edward, N. Y.
August Kolker & Sons, 51 Barclay St., N. Y. City, Agents
OUR SPECIALTY—Long Distance and Trade Export



The best **PAPER
POT** for shipping
purposes. Sizes from
2 in. to 6 in.

Ask your dealer for
them. Samples free.

E. ALLAN PHIBBS
401 Oaks St.,
Waltham, Mass.

RED CEDAR

Write for Catalogue.
**Treen Tubs and Brass Hoop
Jardinières**

The extension stave
foot prevents the bot-
tom from rotting. No
chance for water to col-
lect and rot the floor.

The American Woodenware Mfg.
Company
Toledo, Ohio, U. S. A.

**STANDARD FLOWER
POTS**

If your greenhouses are within 500 miles
of the Capitol, write us, we can save
you money.

W. H. ERNEST

- 28th & M Sts. Washington, D. C.

NOW SEND US THAT INQUIRY ON

Greenhouse Construction and Heating Material

Hot Bed Sash Pecky Cypress Celery Boards
Knock Down Plant Boxes

PROMPT SHIPMENTS

THE FOLEY GREENHOUSE MFG. CO.

3275 West 31st Street, - - - - CHICAGO, ILL.

SHARP, PARTRIDGE & CO.

Are Leaders in

GREENHOUSE GLASS

OUR PRICES WILL PROVE THIS.

CHICAGO, ILL.



Advance Material

is considered the best that can be purchased and our line of Ventilating Apparatus and Greenhouse Fittings is complete and guaranteed in every respect. Send for our catalog today.

ADVANCE CO.
RICHMOND, IND.

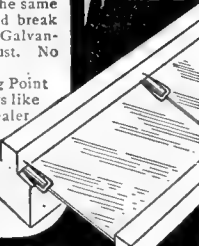
Dreer's Peerless Glazing Points

For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts. The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid.
Samples free.
HENRY A. DREER,
714 Chestnut Street,
Philadelphia.

FULL
SIZE
No. 2



The Only Perfect LIQUID PUTTY MACHINE



Will last a life-time.

\$1.25 EACH

Adjustable — can and frame separate — easily cleaned. Frame all one piece, of malleable iron. More practical and more easily operated than any other.

Seal-tight liquid putty at \$1.25 per gallon
METROPOLITAN MATERIAL CO.
1392-1414 Metropolitan Ave., Brooklyn, N. Y.

When writing to advertisers kindly mention **HORTICULTURE**.

10,000 boxes double thick 16 x 24 and smaller sizes Greenhouse

GLASS

for Greenhouses and Hotbed purposes
At Special Low Prices

ROYAL GLASS WORKS

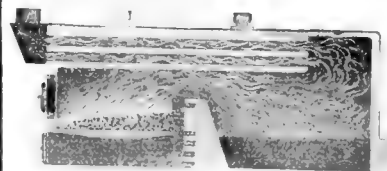
120 Wooster Street, NEW YORK CITY

Gentlemen:—Will you please discontinue my classified gladioli advertisement now running in your paper? I am sold out of nearly all varieties, especially those called for by your readers, and hope to have as good success with you next year.

R. W. S.

KROESCHELL BOILER

SEND FOR CATALOGUE



KROESCHELL BROS. CO.

466 W. Erie St., Chicago, Ill.

GLASS

Greenhouse Material
Hot Bed Sashes

Our prices can be had by mail, and it will pay you to get them. We carry the largest stock of Specially Selected Glass in Greater New York and can supply any quantity from a box to a car load on a one day notice, and at Rock Bottom Prices.

PARSHELSKY BROS. Inc.
215-217 Havemeyer St., Brooklyn, N. Y.

MASTICA



FOR Greenhouse Glazing

USE IT NOW.

F. O. PIERCE CO.
12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

SECOND HAND PIPE

Guaranteed capable of pressures necessary for irrigation. Newly threaded and coupled.

Largest dealers in all sizes of Second Hand Storage and Pressure Tanks, Boilers, etc.

WE ARE AGENTS FOR
THE SKINNER SYSTEM

THE PERRY, BUXTON, DOANE CO.

200 West First St., So. Boston, Mass

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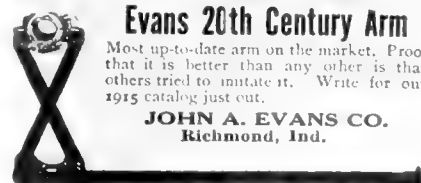
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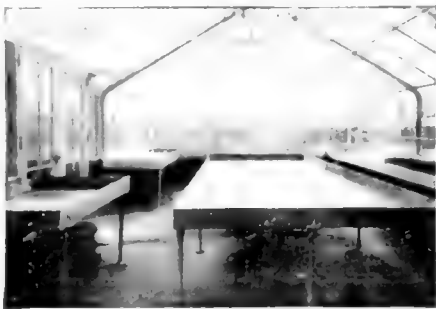
The work room is downstairs, on one side of which is the boiler room; and on the other, the

mushroom cellar. The Burnham hot water boiler heats greenhouse, garage and stable.

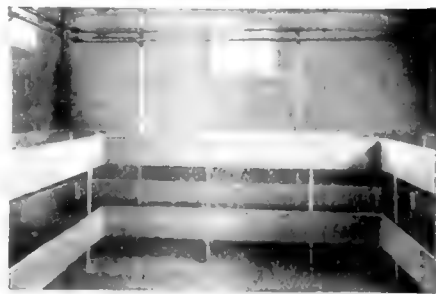
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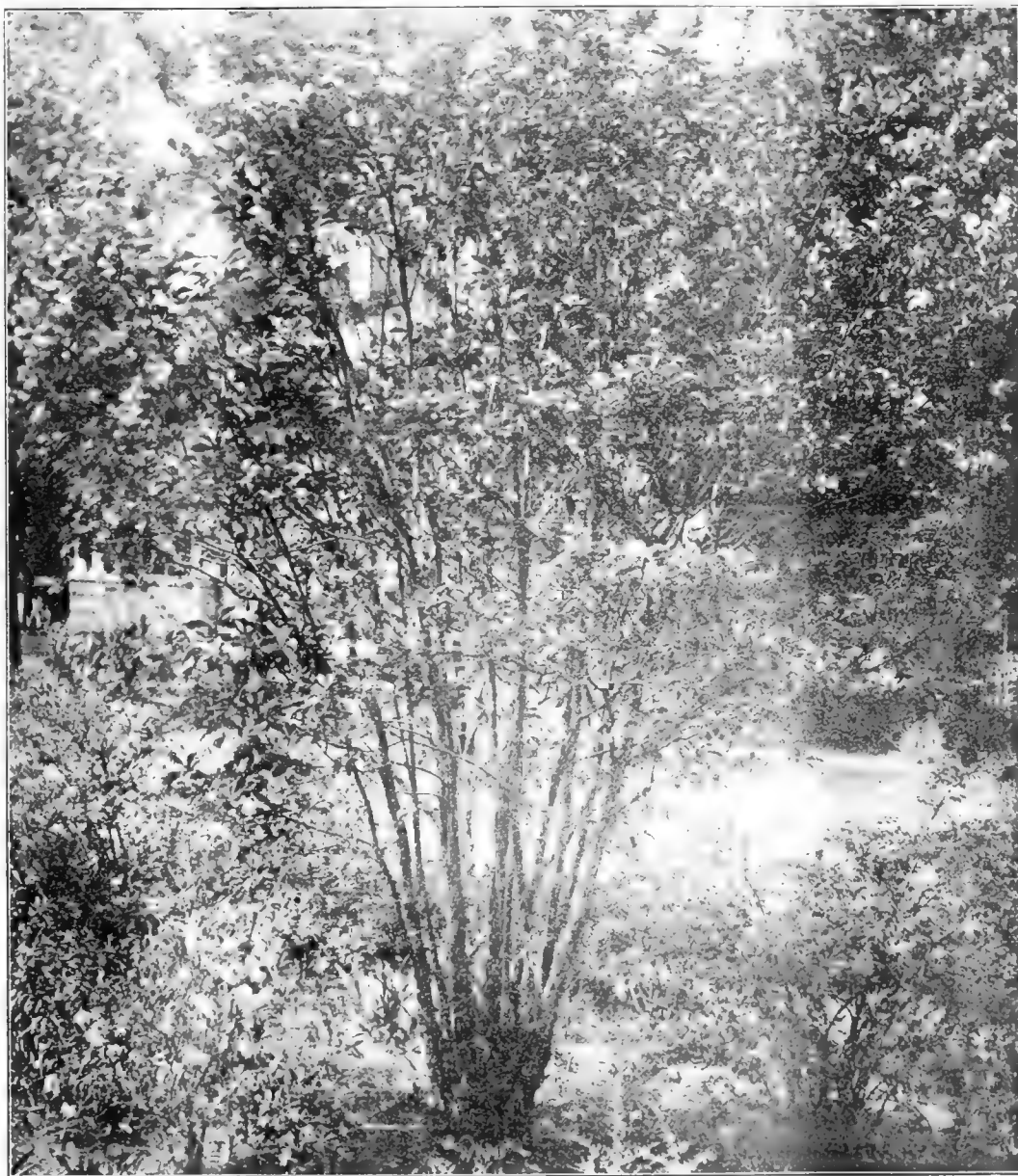
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Vol. XXI
No. 22
MAY 29
1915

HORTICULTURE



Clethra barbinervis
The Japanese Sweet Pepper Bush.

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ALONZO J. BRYAN, Wholesale Florist
WASHINGTON, N. J.

NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil."—Pope.

Amaryllises.

There is no better place for these during the summer and until October than a cold frame where the pots can be plunged up to their rims. Give them a syringing every afternoon, but during spells of hot weather they will be better for two or three syringings. Place lightly shaded sash over them so they can have a free circulation of air. When growing seedlings it is better to devote a bench to the young plants. Keep shifting as they may require until they are in a 5 or 6 inch pot. Give a rather heavy fibrous loam two parts, well decayed cow manure one part, some gritty sand and bone with a dash of soot.

Cymbidiums.

When once well established, cymbidiums are not difficult to grow. There are some very handsome species in this genus. They must never be thoroughly dried out, especially the thin-leaved kinds, as then they are liable to lose many of their leaves. Although they are fond of plenty of water at the roots when growing, syringing overhead often injures them. If the drainage is defective the roots are sure to decay and the leaves shrivel. Those requiring new material, repotting, etc., should obtain it as soon as the flowering season is past. It is very annoying to find some plants continually getting into bad condition, but it will often prove that the trouble lies in the quantity of water supplied at the root or that the atmosphere is either too dry or too wet. Cymbidiums like a moist, intermediate temperature. From 55 to 65 degrees will please them. When not growing they should be kept somewhat cooler with plenty of air given on all suitable occasions, but avoiding all draughts.

Planting Dahlias.

Planting can be done any time from now and up to the middle of June. All dormant roots should be planted now. To attain the best results dahlias should receive no check from start to finish. They will grow in any fertile soil, but their preference seems to be for a deep, moist, and sandy loam. The ground should have a liberal amount of plant food well incorporated.

Well decayed stable manure will be found the most satisfactory, but when this cannot be procured sheep manure or any chemical fertilizer rich in ammonia and phosphoric acid will answer as a substitute. They should be planted at least two feet apart in the rows and about five feet between the rows. When planting out from pots see that they are thoroughly soaked through, and firm each plant well. When they are all planted keep them well cultivated at least once a week.

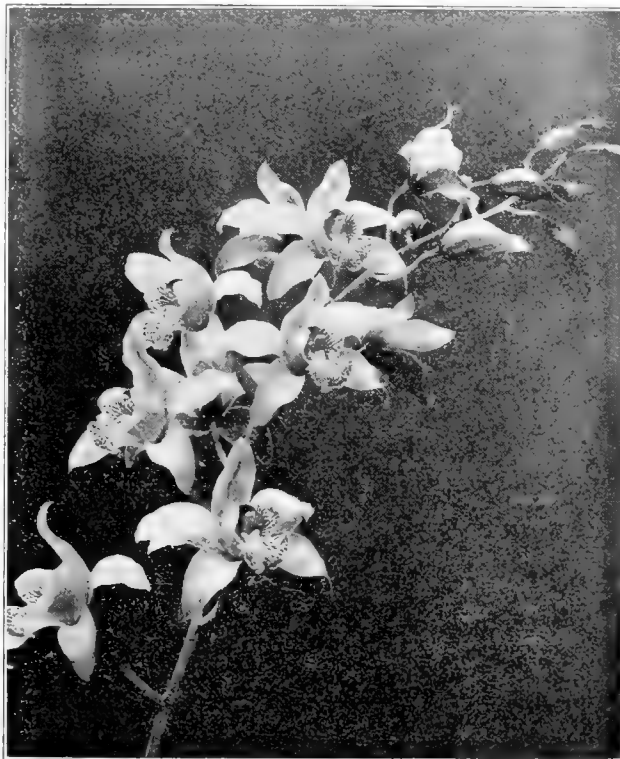
Outdoor Sweet Peas.

Take good care of the sweet peas from now on. If the weather becomes dry whenever possible keep them moist at the roots by plenty of water at the roots. A general mulch between the rows is of immense benefit. Note the color of foliage, height of vines, length of flower stems and general vigor of mulched over unmulched rows. Sweet peas love moisture at the root. They also enjoy syringing overhead on the evenings of hot days. We prefer to pick the flowers as soon as the dew has gone in the morning. If picked damp on a hot day and placed in a cold room, the chances are that many will spot. Keep the flowers closely picked and remove seed pods carefully. If these latter are allowed to develop, the vines will speedily decline in vigor. If you cannot afford time

to mulch the rows, then keep the soil constantly cultivated.

Violets.

It is about time to clean the violet houses. Clean the paths and ground under the benches and against walls, etc., and remove all stray weeds. Kill out all fungus by thoroughly fumigating the house two or three times. Clean woodwork and give a good coat of white paint. After everything is cleaned benches can be filled, using cut sod three parts, well rotted cow manure one part, with a little bone meal. Shade the house and keep on plenty of ventilation both day and night. After the violets are planted, keep the soil around them in a moist state and every good day give a good syringing in the morning. It is always well to plant violet stock early so that they are established before they get torrid heat.



CYMBIDIUM INSIGNIS VAR. SANDERAE

HORTICULTURE

VOL. XXI

MAY 29, 1915

NO. 22

PUBLISHED WEEKLY BY
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Advertising and advertising

Considerable comment has been heard and read from time to time of late on the changing attitude of the retail florists in regard to advertising in the local papers and the occasional evidences of enterprise displayed in this direction have been

warm, accepted and hopefully welcomed by those who, for the most part, are unselfish, wish to see floriculture prosper. Looking over the advertisements of the Boston florists in this week's papers, of which there are several, one can say, however, one would be rather disappointed where any advantage to floriculture is to be gained, for the greater part of the space is devoted to the exploiting of dried and artificial flowers and foliage for Memorial Day. While we may be disposed to deplore this state of affairs for many reasons, let us first admit that the retail dealer knows in what direction his largest profit lies and will, in all cases, naturally devote his energies to that field, which moves us to reiterate what we have repeatedly urged, from other view points—to wit, that the flower producers must sooner or later come to realize that they must find other means for securing constructive publicity and creating larger demand for their floral product than will ever be acquired through the advertising investments of the retail trade.

Nothing to commend it

"Colonial nosebags," "old fashioned bouquets"—these are names we have seen applied to certain nondescript, crazy-quilt constructions of decapitated flowers which certain of our florists, aided and abetted sometimes by occasional trade journal writers and the correspondents of daily newspapers who are always eager for something sensational, have been trying to press upon the public and commend as revivals of an old-time fashion and true examples of the standards of taste and ingenuity of the florists of half a century ago. The scanty supply of florists' flowers fifty years ago forced the floral artist of that period to practice little economies and expedients to make the most of the meagre stock at his command—things which no true artist then or now would ever do except under compulsion of rigorous necessity. In these days of unlimited variety and superabundance these practices are no longer excusable but—as mutilations of the high-class products of modern horticultural skill—would at best be no credit to the taste or judgment of the workman who indulged in them. Any self-respecting florist should be ashamed to attach his name to such distortions as we have seen repeatedly in show windows and exhibitions.

A lost art

But there is another angle from which we may look at the so-called copies of old-time floral ingenuity above referred to. We would respectfully suggest that the mere cutting of flowers to pieces and crudely crowding the wired fragments into a paper bouquet holder may fall far short of being a creditable imitation of the work of the really meritorious bouquet maker of by-gone days, which was accepted and admired by people of refinement. Thus far, indeed, we must say that none of the examples of this new fad which have come to our notice since it was sprung upon the public—some of them, too, bearing the names of florists more than locally known—have in any instance truthfully represented the standard of taste of "our grandmothers' times" or correctly exemplified the floral decorative art of the old-time formal bouquet makers who catered to any critical or discriminating trade. The experts in the construction of these complex mosaics had many crude imitators in their day, but few rivals, and when they went out their art with all its studied primness and patient elaboration went with them. Don't waste your time trying to revive it. "It can't be done."

Clethra barbinervis

The Japanese Pepper Bush is but rarely seen in New England gardens, yet its beauty is undeniable and it well deserves to be better known. Apparently it does not readily make itself at home here but that it can be successfully acclimatised the illustration on the cover page of this week's HORTICULTURE bears ample witness. The specimen here depicted is about fourteen feet tall and is growing in the garden of William J. Stewart at Winchester, Mass. on an exposed and very dry corner in ordinary garden soil. It has never received any protection during winter and is not affected by insect pests. I have known this particular specimen for five years and each season in late July and early August it has been laden with terminal racemose clusters of fragrant, white flowers and it is worth a long journey to see. There are other good plants in the vicinity of Boston, but Mr. Stewart's is probably the finest anywhere around here.

In Japan, the pepper bush is widely distributed from

the extreme south to the northern limits of the main island, and from sea level to 6,000 ft. altitude. It is very common in moist woods and thickets and under the most favorable conditions it forms a tree 40 ft. tall with a trunk 5 ft. in girth. The bark is smooth and pale gray and the branches form a flattened, spreading head. As usually seen, however, it is a bush, more or less shapely in contour and 6 to 15 ft. high. But in any form this plant is handsome and is worthy of a place in any garden.

It may be propagated by cuttings of half-ripened wood inserted in sandy soil in a greenhouse or frame about mid-August, and kept rather close for a time. This species is known in some gardens and nurseries under the name of *Clethra canescens*.

F. H. Wilson.

Arnold Arboretum.

BRITISH. HORTICULTURE. Carnation Show.

The Perpetual Flowering Carnation Society held its 18th show at Leeds, at the end of April, in conjunction with the North of England Horticultural Society. The silver challenge cup, valued at 50 guineas offered by Geo. Monro, Jun., of Covent Garden, in the class for twelve vases of carnations, was won by A. F. Dutton, a trade grower on an extensive scale, who staged some splendid samples of Lady Meyer, Champion, Mrs. C. W. Ward, Beacon, Mrs. C. F. Raphael, Benora, White Enchantress, Lady Northcliffe, Mikado, Enchantress Supreme, and two others. The challenge cup presented by J. S. Brunton, for three vases containing twelve blooms of British novelties, was secured by F. Englemann, with Colleen, Scarlet Carola, and Circe. The American Carnation Society's challenge cup, for three vases containing twelve blooms of American novelties distributed since January 1, 1912, was won by Wells & Co., of Merstham, Surrey, who staged: Champion, Enchantress Supreme, and Philadelphia. F. Englemann was second with Champion, Wodenethie, and Philadelphia. This competitor also obtained Lord Faber's cup offered for the best exhibit in the open classes. Gold medals were allotted to A. F. Dutton, Allwood Brothers, W. Wells & Co., and Stuart Low & Co.

Kew Official's Retirement.

It is announced that Mr. George Massee, a well-known official at Kew, is about to retire, having reached the age limit. For many years he has rendered a notable and useful service in the investigation of diseases of plants, and his writings on this subject have afforded enlightenment to a wide circle of readers. He possesses

an unrivalled knowledge of fungi. His sterling qualities have gained for him a wide circle of friends, and he will be greatly missed from the scene of his activities, which he has served so assiduously and effectively during the last 22 years.

A Scottish Spring Show.

The Spring Show of the Royal Caledonian Horticultural Society was recently held in Scotland. The entries totalled about 400. Scotland is noted for its achievements in the horticultural world, and its gardening sons are to be found holding important positions in all parts of the globe. There was a brilliant display of spring blooms, the daffodils being particularly good. Storrie & Storrie, of Glen Carse, exhibited a number of fruit trees and bushes flowering, and a miscellaneous collection of cinerarias, calceolarias, polyanthus, schizanthus, and primulas. The carnations of Young & Co., were especially fine. John Forbes, Ltd., made a special feature of Alpine auriculas. Ireland was represented by Hogg & Robertson, of Dublin. Reamsbottom, of Geashill, contributed fine samples of St. Brigid anemones; Laird & Dickson made a special feature of hydrangeas and other flowering shrubs.

W. H. Adsett.

CYPRIPEDIUM MAUDIAE.

The rapidity at which this hybrid can be increased by division is truly astonishing, and the following facts cannot fail to be of interest:—Just 8½ years ago Mr. G. F. Moore, of Chardwar, Bourton-on-the-Water, received through the kindness of an orchid friend a plant of *C. Maudiae*, which has since been divided whenever opportu-

ity presented itself, until, at the present time, no less than 434 plants exist. This figure would have been still higher had not several plants been presented on various occasions to friends. The stock will soon be once again repotted, when, if desired, it can easily be increased to 1,000 healthy pieces. Only a few months ago over 300 flowers were open at the same time, while 100 are now open, and many more will be produced throughout the coming summer. This state of almost perpetual flowering makes *C. Maudiae* one of the most beautiful and useful plants for decorative purposes, and it should prove a very profitable subject for those engaged in the cut-flower trade. Although this hybrid grows like a weed, Mr. G. F. Moore finds its two parents, *callosum* Sanderae and *Lawrenceanum* Hyeatum, very difficult to cultivate successfully, which is somewhat remarkable. In the Chardwar collection the same back growths of *C. Maudiae* have yielded young plants on three and four successive occasions, and even when a piece of the old plant carried but one leaf, and that in a yellow condition, healthy little plants have been produced. If there is a secret attached to the method of cultivation adopted at Chardwar it is to be found in the fact that *C. Maudiae* dislikes too great a mass of compost. An examination of the plants will show that the roots are mainly surface ones, preferring to grow round the top of the pot, and rarely deeper than 1½ inches. It is thus clear that any unneeded depth of compost is almost sure to become sour, with consequent damage to the health and vigor of the plant. There is apparently no reason why anyone should not achieve equal success in the cultivation of this attractive cypripedium, the principal points being the careful selection of a suitable pot and the correct amount of compost. *The Orchid World.*

CLUBS AND SOCIETIES

LANCASTER COUNTY FLORISTS' CLUB.

The regular meeting of the Club was held at the home of Mrs. Night for April and whether it was this enthusiasm or not, and tating a bad habit, or due to the fact that every one is busy and too tired to come to a meeting, the result was the same—a rather small meeting. Mr. Nolan after a long absence was again a welcome visitor. In his remarks on geraniums he said that in his journeys he often runs across some one who asks him about Lancaster and says "Albert Herr, yes I know him; I bought geraniums from him forty-five years ago, he must be a pretty old man," I want to say there are no old men in this Club. A few have years piled on our shoulders, but the shoulders carry the years all right. Come around and look us over some time.

The Aquarium Society asked that they be allowed to hold a fish show in conjunction with the flower show this fall, but as we had already decided that it was not advisable to hold a show annually this was deferred for one year. This would not make a bad combination and might be worked out in cities of this size to good advantage.

Lancaster is quite a center for amateur dahlia growers and the club has decided to hold a small dahlia show in conjunction with the Lancaster County Fair Association—Albert M. Herr, M. S. Hostetter, George Goldbach and H. K. Rohrer being appointed a committee to work the matter out.

Albert M. Herr, having charge of a discussion on bedding plants first said:

Being a neutral I hear considerable from all sides as to prices and unfair competition. All competition in this free country of ours is fair. Some of it may be mighty embarrassing for the time being, but will eventually straighten itself out. The man who is running his business on business principles is the one who is going to win out. The man who competes with a cut in prices is injuring the whole trade, but himself more than anyone else, and it is only a matter of time until he sees his mistake and either gets out of the business or starts all over again.

If I were a store man I would sell and handle only high-grade stock, I would have the quality so evident that the buyer could not help but notice it, and I would make the price accordingly, with instructions to my clerks that if any objection was raised to the price, the reply would be "We want every plant we sell to bring the buyer back to us when in need of another and on this account cannot afford to handle any but the best. If you want cheaper stock, we have some at the greenhouses or you can get it on the markets." This I would bring out strong in my advertisements and then

live up to it. Simply announcing that you have plants and flowers is not advertising. Put some ginger in your ads. But the best advertising of all is the warm tongue of a satisfied customer.

If I were selling plants on the market or the street, I would get the costs down to the lowest possible point and then make my selling price high enough to allow a reasonable profit. I would explain to my customers that I could afford to sell a bit lower than the store man and that my plants with proper care and attention will give satisfactory results. If I had any second-class stock which came from the continual handling of plants sold by this method, they would be sold as such and my customers given a bit of advice as to how to handle them. If this were followed up carefully and conscientiously your customers would soon become suspicious of the competitor who is cutting prices.

Stop kicking, start studying and do not value your own time too low. Give you customers stock that will give them satisfaction. It is the only way to build up a permanent and profitable business, and unless you are in the business merely for the pleasure of growing flowers and plants, you cannot give your customers satisfaction unless you in return make a reasonable profit for yourself.

In the discussion which followed and which centered on geraniums J. P. Seibold spoke very strongly in favor of American Beauty. H. K. Rohrer said that they found Ricard their best seller, with some half a dozen other varieties called for to a smaller extent. John R. Shreiner found a good market for a general assortment; those who do bedding on a large scale found Nutt, Ricard, Poitevine and some good white in most demand. R. Nagle thought Scarlet Bedder would be a winner when better known. Prices were discussed and given up as a conundrum.

M. J. Brinton of Christiana read a paper on leaks of the trade, using big business as a comparison, and brought very forcibly the fact that thousands of dollars worth of stock is reduced in price by the handling it gets with the express companies, and other thousands by the fact that when stock gets plenty it is improperly handled by the grower and sent in to the markets regardless with the usual glut conditions at once brought about. He cited examples for the month of April when the unseasonable weather conditions brought everything to full crop and that he had been on the wholesale market when sweet peas were coming in by the ten thousands and yet it was almost impossible to fill an order for one thousand with strictly first-class stock, due largely to the rush by the grower to get everything into the market somehow and any way.

In the discussion on the handling of flowers and plants by the express companies it was brought out that a large proportion of the loss is due to lack of knowledge and being a small body ourselves it was moved and carried that we appeal to the S. A. F. to appoint a committee to work out a set

of instructions to express employees for the handling of our products and if practical to give assistance to the individual in getting a claim where flagrant carelessness was shown by the express company.

For the next meeting June 17, Ira Landis of Paradise is to give us a paper on the summer culture of carnations for results next winter.

ALBERT M. HERR.

TEXAS STATE FLORISTS' ASSOCIATION.

The Texas State Florists' Association has sent the following invitation to the different southern florists' organizations:

To the President of the Society:

Dear Sir: You have probably heard of our coming State Convention to be held in Ft. Worth, July 6 and 7th. The florists of Texas especially urge that which I understand is composed of all the florists of the state and city, to attend this Convention. It is not our intention to make this just a State affair, as we are inviting the florists of the entire South to be with us.

Will you be so kind as to see that every member of the organization gets a copy of this invitation. If it will not be too much trouble, please send me a complete list of the members of the Society, and I will try to get in direct touch with them also. Take advantage of this opportunity and see the good that is being derived from our Texas organization.

Trusting that I will hear from you favorably, stating that you have canvassed your members, I am,

Yours truly,
R. C. KERR, Pres.,
Texas State Florists' Ass'n.

The following changes and additions have been made in the program for the meeting of the Texas State Florists' Association on July 6 and 7, which appeared in our issue of May 15:

Round Table Discussion, "Carnations as a Profitable Crop in Texas." Led by Bird Forrest, Waxahatchie, Tex. Assisted by H. Kaden, Gainesville, Tex., and E. O. Wessinger, Beaumont, Tex.

"How We Treat Our Competitors." Led by H. O. Hannah, Sherman, Tex. Assisted by J. E. McAdams, Ft. Worth, Tex., and H. Kuhlmann, Jr., Houston, Tex.

"The Retail Flower Store and Its Management—Some Methods of Saving Time and Material." Led by H. Greve, Dallas, Tex. Assisted by F. C. Suchy, San Antonio, Tex., and Chas. Alf, Jr., Austin, Tex.

"Why Woman is Indispensable in the Florist Business." Led by Mrs. Annie Brizance Wolfe, Waco, Tex. Joined by all ladies present.

"Florists as Advertisers and Bookkeepers." Led by R. C. Kerr, Houston, Tex. Assisted by A. E. Koehle, Sherman, Tex.

ST. LOUIS MEETINGS IN JUNE.

The County Growers' Association will meet on Wednesday, June 2, at Hugo Gross' Place in Kirkwood, members of the Florist Club are invited to attend.

The Lady Florists' Home Circle will meet on Wednesday, June 9, at the home of Mrs. Andy Meyer, 3214 S. Jefferson Ave.

The St. Louis Florist Club will celebrate its 29th anniversary in Odd Fellows Hall on Thursday afternoon, June 10, at 2 o'clock. An attractive program is being prepared by the trustees.

The Retail Florists' Association will meet at Washington Hotel on Monday night, June 21, at 8 o'clock P. M. The association is getting up a credit system book, which will be of great assistance to all city retailers.

National Floral Corporation

The only organization in the United States for the sole purpose of educating the general public—the people who buy—to buy more flowers, especially as gifts to friends out of town in place of other presents.

It does not conflict with the Florists' Telegraph Delivery, or any other reciprocal arrangements between florists.

No commission to be paid for the orders received.

The business will come direct from the customer. All the National Florist will have to do is deliver the flowers in good taste and in good order, and keep the cash. It will be a cash with order business.

The National Floral Corporation wants one exclusive representative florist in each city in America to take care of the orders which will be created by the advertising service this corporation will render. The best florist is wanted.

There Will Be One National Florist in Your Town Will It Be You?

Send for booklet giving full details of what the National Floral Corporation will do for the florist. You will be delighted with the plan. Write today and learn how to be that one.

National Floral Corporation, 220 Broadway, New York

COUPON—Cut Out and Mail
 National Floral Corporation,
 220 Broadway, N. Y.
 Please send me booklet and
 complete information
 Name
 Address
 City

AMERICAN ROSE SOCIETY.

The meeting of the American Rose Society to view the rose garden established at Arlington, Va., will take place on Wednesday, June 2nd. Members of the American Rose Society who can attend are invited to meet at the store of Gude Brothers, 1214 F street, N. W., at one P. M., sharp, on that day and proceed to Arlington.

BENJAMIN HAMMOND, Sec'y.

CLUB AND SOCIETY NOTES.

A rose exhibition by the Morris County (N. J.) Gardeners' and Florists' Society will be held early in June.

For the June meeting of the Tarrytown (N. Y.) Horticultural Society, John Featherstone offers a prize for the best six vases, six varieties of Japan iris.

On Tuesday evening, June 1, at the monthly meeting of the Florist Club of Philadelphia, the subject of automobile delivery will be treated in a paper to be read by Mr. F. W. Beirn of Philadelphia. Some interesting facts regarding the efficiency, operating costs and general uses of motors in the delivery of floral products will be furnished.

At the exhibitions of the Montclair (N. J.) Garden Society the secretary has on his desk a supply of four-page folders, 3 inches by 5½ inches. The first page bears the words "Flowers Worth Having." The two inside pages are blank. On the last page the history and object of the society are briefly stated; there is also an application blank for membership. A folder and pencil are handed to visitors for taking notes and the frequent expressions of pleasure show that the custom is appreciated.

COMING EVENTS.

Shows.

San Francisco, Cal., June 1. American Sweet Pea Society's special show in connection with the Exposition.

Newport, R. I., July 8-9.—Annual show and meeting of American Sweet Pea Society, in connection with Newport Garden Assoc. and Newport Hort. Soc.

Lenox, Mass., July 27-28. Summer exhibition of Lenox Horticultural Society.

Newport, R. I., Aug. 12, 13, 14.—Mid-summer exhibition of Newport Garden Club and Newport Horticultural Society.

Lewiston, Me., Aug. 27-28.—Fall exhibition in Lewiston City Hall of Lewiston and

RESIDENCE OF R. VINCENT, JR.



We recently published the portrait of the president-elect of the newly organized American Dahlia Society and now take pleasure in presenting the residence of Mr. Vincent at White Marsh, Md., which has come to light

among the archives on our desk. As the gentleman is considerably in the public eye in one or the other capacity many of our readers will no doubt be interested in seeing the sort of place he lives in—a very cosy and attractive country home.

Auburn Gardeners' Union, Chas. S. Allen, President, Auburn, Me.; Mrs. Geo. A. Whitney, Secretary, 151 Winter St., Auburn, Me. Meetings first Friday in each month.

Orange, N. J., Oct. 4.—Tenth Annual Dahlia, Fruit, Gladioli and Vegetable Show of N. J. Floricultural Society. Geo. W. Strange, Sec., 84 Jackson St.

Poughkeepsie, N. Y., Oct. 28-29.—Annual flower show of Dutchess County Horticultural Society. N. Harold Cottam, Sec., Wappingers Falls.

New York, N. Y., Nov. 3, 4, 5.—Annual Chrysanthemum Show of the American Institute, Engineering Societies Building.

New York, N. Y., Nov. 4-7.—Annual Autumn exhibition of Hort. Soc. of New York, Museum of Natural History.

Cleveland, O., Nov. 10-14.—Annual show and meeting of Chrysanthemum Society of America. Chas. W. Johnson, Sec., 2226 Fairfax Ave., Morgan Park, Ill.

Meetings.

San Francisco, Cal., June 22-24.—American Seed Trade Association.

Detroit, Mich., June 23-25.—Annual convention of American Association of Nurserymen.

Fort Worth, Tex., July 6-7. Texas State Florists' meeting.

NEWS NOTES.

Corry, Pa.—The North Corry Greenhouses and store, 16 West Columbus avenue, have been taken over by D. F. Southworth.

New Bedford, Mass.—Much trouble, caused by cut worms, is reported by some of the florists. The pests are making great havoc amongst the carnations and as yet nothing has been found which has seemed to destroy them in any great number.

A scarcity of cut flowers for Memorial Day is feared here. There is a demand even greater than usual at this season for geraniums all over the city.

HORTICULTURE INDISPENSABLE

The following examples of many approving letters received at the office of HORTICULTURE during the past few weeks, show why HORTICULTURE is so valuable as an advertising medium. Intensive circulation is HORTICULTURE'S best quality and practically every reader is a possible customer for the advertiser.

Gentlemen:—Last week's HORTICULTURE is not received. Have you scratched me off your list, or what is the matter? Appreciate your paper more than any of half a dozen I am receiving, and don't want to miss any copies. Will you please investigate?

Yours truly,
Missouri. A. B. K.

Gentlemen:—It is getting late in the season and we wish to discontinue the advertisements which we carry in your paper. We would say that the advertisements which we have carried in your paper have brought us good results, and we feel that the money so expended was well invested.

Yours truly,
Standard Thermo Company,
S. C. LORD, President.

Kindly discontinue my advertisement in the classified advertisement section of HORTICULTURE, rendering bill to date.

Yours is a very good advertising medium. We have rid ourselves of practically all our surplus stock, and are therefore obliged to discontinue.

Very truly yours,
Mass. A.

"HORTICULTURE is grand. Keep it up."
San Jose, Cal. B.

Editor HORTICULTURE:

Dear Sir — Enclosed please find \$1.00, my subscription to your valuable paper for another year. Cannot do without it.
Conn. O. A. H.

Dear Horticulture:

We can't keep house without you, and you can't travel without money, therefore I enclose money order to keep you coming for 1915.

Yours admiringly,
Iowa. E. S.

Here is my dollar for the 1915 trip with HORTICULTURE. HORTICULTURE is all right.
New York. P. F.

Enclosed is post office order to pay for HORTICULTURE two years more. I like HORTICULTURE very much and hope to read it many more years.
N. Y. S. F.

One of the many good features of HORTICULTURE is, that those who contribute to its columns always "say something" when they write. I take this opportunity to offer sincere congratulations. "May your shadow never grow less."

Sincerely yours,
New York. P. F.

Editor HORTICULTURE:

Dear Sir:—I have been a subscriber to HORTICULTURE only about five weeks. I find in HORTICULTURE a paper of much importance. I hope to be a reader of it for the long future.

Mass. A. B.

"HORTICULTURE is the finest paper under the sun."
New Jersey. A.

Editor HORTICULTURE:

Dear Sir: — I have always been deeply interested in the letters of contributors in your paper, and find them very helpful.

Respectfully,
N. Y. C. C.

Dear Sirs — Enclosed please find one dollar for another year of the HORTICULTURE. My time is not up yet, but it won't be long. All I can say about your paper is that it is the best of its kind, and I read them all.
R. I. J. B.

Enclosed are two dollars in payment for your very valuable paper. I find its contents timely and instructive.

Sincerely,
Conn. C. S.

Gentlemen:—My paper did not arrive as usual on Saturday. It is all I have to look forward to each week; do not allow that to fail me. Kindly send one along at express rate.

Yours truly,
N. J. G. W.

Gentlemen:—Will you please discontinue my classified gladioli advertisement now running in your paper? I am sold out of nearly all varieties, especially those called for by your readers, and hope to have as good success with you next year.

Yours truly,
Mass. R. W. S.

When Writing to Advertisers Please Mention Horticulture

NURSERY INTERESTS MENACED.

A letter from Fred K. Kelsey calls our attention to the proposed increase in freight rates and the pine rust quarantine by the Department of Agriculture as questions that should have earnest consideration and prompt action by the Nurserymen's Association when they meet at Detroit. It would seem that the plan of increasing the present heavy freight rates on nursery stock in car lots of something like 25 or 30 per cent. by the simple process of changing the classification, is one of the customary methods of insidiously increasing transportation charges under some specious plea of getting more money for the same service and, where there is such an important increase as that indicated, with the hope of securing the increased revenue without formidable protest or objection from interested shippers.

We believe it is openly admitted that for the average value of car contents of nursery stock proportionate to the weight, the present carload rates are in reality higher than the relative freight charges on almost any other kind of crude or finished material carried by the railroads. This fact makes the burden of any increase from the present high rates seem unbearable, especially as the 5 per cent. increase in the new trunk line rates, as permitted by the Interstate Commerce Commission, applies to nursery and florists' stock as to other shipments; and with this increase it is doubtful if the transportation managers themselves can claim any justification for this new increase in the expense for moving nursery stock.

In order to meet this situation effectively and aggressively Mr. Kelsey suggests that a committee of able representative men, possibly a special committee, be appointed at the June meeting of the association to take up this subject at headquarters, first with the presidents of some of the roads most interested and then with other officials in order that the proposed increased rates to be effective from June 1st be rescinded.

Any nurseryman or shipper of nursery stock has merely to look at his freight bills to have demonstrated how the material increase or cost of transportation the proposed change in rates will result.

Concerning the quarantine of all pines, Mr. Kelsey says:

"There have appeared in the horticultural papers some apparent differences between the understanding of some of the members of the Federal Horticultural Board and my own understanding of the position of that board on this pine quarantine subject at the hearing or conference held in Washington, February 2nd, as to whether there would be ample opportunity for a fuller hearing before definite action would be taken by the Board. This was and is clearly my conviction as to what occurred at the hearing on

Get them at Dreer's

Pot-Grown Vines for Late Planting

		each	doz.	per 100
Actinidia Arguta.....	strong 5 inch pots	\$.35	\$4.00	
Ampelopsis Veitchii.....	" 1 " "		1.50	\$10.00
" " " "	" 5 " "		2.00	15.00
" Tricolor.....	" 1 " "		1.50	10.00
" Engelmanni.....	" 5 " "		1.50	12.00
" Lowii (New).....	" 1 " "	.30	3.00	25.00
Aristolochia Siphocampylodes.....	" 6 " "	.35	4.00	30.00
Bignonia Grandiflora.....	" 5 " "	.35	4.00	30.00
" Radicans.....	" 5 " "	.15	1.50	12.00
Clematis Montana Grandiflora.....	" 5 " "	.35	3.50	....
" " Rubens.....	" 5 " "	.75	7.50	....
" Duchess of Edinburgh.....	" 5 " "	.30	3.00	....
" Henryi.....	" 5 " "	.30	3.00	....
" Mme. Baron Veillard.....	" 5 " "	.30	3.00	....
" Ville de Lyon.....	" 5 " "	.30	3.00	....
" Integrifolia Durandi.....	" 5 " "	.35	3.50	....
Hop Vines.....	" 3 " "		.50	4.00
Honeysuckle Halleana.....	" 6 " "		2.00	15.00
" Evergreen.....	" 6 " "		2.00	15.00
" Variegated.....	" 6 " "		2.00	15.00
" Red Coral.....	" 6 " "		2.50	....
Hardy English Ivies.....	" 4 " "		2.00	15.00
Hardy Jasmine Nudiflorum.....	" 5 " "		1.50	10.00
" " Officinale.....	" 4 " "		1.50	10.00
Lathyrus White Pearl.....	" 4 " "		2.00	15.00
Polygonum Multiflorum.....	" 4 " "		1.50	10.00
Kudzu Vines.....	" 3 " "		1.25	8.00
Schizophragma Hydrangeoides.....	" 7 " "	.75	7.50	....
Wistaria Sinensis Blue.....	" 5 & 6 " "	.35	4.00	30.00
" " White.....	" 5 & 6 " "	.35	4.00	30.00
" Multijuga.....	" 6 & 7 " "	.35	4.00	30.00
Vitis Humulifolia.....	" 4 " "		1.50	10.00

HENRY A. DREER, Inc., 714-716 Chestnut St. PHILADELPHIA, PA.

The above prices are intended for the trade only.

this point and I was therefore greatly surprised at the reference which appeared later from Chairman Marlatt in connection with the adoption of the quarantine recommendation by the Board on the 5th of February, only three days after the hearing referred to.

"I have no doubt that Chairman Marlatt and his colleagues wished to be fair in their interpretation of what occurred, and as it was furthest from my thought to refer to that understanding in any other way excepting as developed at the hearing, as publicly stated by me at the time, I have been quite unable to account for the apparent difference in statement in this regard. And if that meeting was fully reported I believe the records will fully bear out this understanding and the impression which I believe all derived at the time, viz., that there would be further hearing and opportunity for the nurserymen to appear before the Board during the present summer before decided action were taken as to this quarantine. It is noticeable that the recommendation of the Board of February 5th in favor of the quarantine was soon after made effective by the Secretary of Agriculture.

"I am confident that no reputable concern would wish to do other than co-operate with the Department of Agriculture and the Board in preventing the introduction and dissemination of injurious insect pests as has been and is the policy of this company, but ad-

mittedly at the hearing February 2nd it was shown that the immediate quarantine as then proposed was not justifiable, that there was a question whether the comparatively few instances of the pine moth could not be exterminated by proper pruning and care, nor do I think it was clearly shown that an arbitrary action in debarring all pines, whether for forestry, nursery purposes or other uses, would not cause a far greater injustice, loss and injury than the cost of effective remedies on the part of the Government, the different State Departments and the co-operation of the nursery trade.

"There are of course some nurserymen, like some of the officials in Washington and elsewhere, who hail with satisfaction or delight any pretense or reason for debarring importations, but to the great majority in the trade and out of it this spirit, whether based upon over-apprehension or the mercenary desire to cut off importations for personal advantage, cannot represent either the wishes or the interests of the great majority of the nurserymen and foresters and private planters of the country who rely on same.

"Should the Legislative Committee of this and the Florists and other National Associations take up this question in the right manner I believe that a modification of the present quarantine on pines would be secured to the mutual advantage of the trade as a whole and purchasers of this class of evergreens generally."

BOOM YOUR BUSINESS
by advertising your goods in the
Horticulture

Publicity among the kind of readers reached
by this paper is THE SORT OF PUBLICITY THAT PAYS.

More Light and Absolute Safety

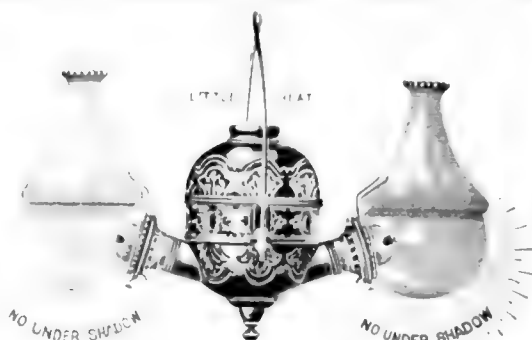
FOR YOUR SUMMER HOME OR BUNGALOW

The ANGLE LAMP

BURNS KEROSENE. Cannot explode, clog or be overturned. It gives a steady light, no smoke, odor or waste, as bright as gas or electricity, and better to read by. 32 varieties, 1 to 4 burners, from \$3.25 up. Write for Catalog H-A—1.

FOR SALE BY

GLOBE GAS LIGHT CO., 27 Union Street,
Boston, Mass.



**A FEW SHOP-WORN
LAMPS AT A BARGAIN**

Obituary

A. S. Myers.

A. S. Myers, senior member of the firm of Myers Bros., Altoona, Pa., died on May 9th. He was fifty-six years old. He is survived by his wife and several children.

John Krumholz.

John Krumholz, florist, 823½ Superior street, Detroit, Mich., died May 6th after a long illness. He was fifty-five years old and had been in the florist business since boyhood. His wife and five children survive him.

Mrs. James Conlon.

Briget Conlon, 48 years of age, wife of James Conlon, the Smith street florist Brooklyn, N. Y., died on May 19, at her residence, 69 Dean street. She is survived, besides her husband, by three daughters, and three sons.

J. F. Zimmerman.

While delivering flowers in his automobile, J. F. Zimmerman, a well known florist of Alliance, O., was struck by a locomotive Saturday evening, May 8th, and died several hours later. He had been in the florist business for over twenty years. He is survived by his wife, one sister and three brothers.

Joseph Purington.

Joseph Purington, one of the leading market gardeners in eastern Massachusetts, died last week at his home, in Winchester. He was born in Alton, N. H., July 8, 1823, and had lived in Winchester 60 years. He leaves a widow and two sons, George and Walter, both of Winchester.

E. T. Cook.

Ernest T. Cook, an ardent horticulturist and writer, well-known to many

of our readers, died suddenly from heart failure on May 5, at Toronto Canada, aged 45 years. Mr. Cook has resided in Canada for the past four years previous to which he held several posts of responsibility in horticultural literature and journalism in England. He was especially interested in roses. Since locating in Canada he has been engaged chiefly in landscape gardening.

Mrs. Edward J. Welch.

One week ago we published the sad intelligence of the death after a few days' illness of Edward J. Welch, Jr., eldest son of Mr. and Mrs. Edward J. Welch, of Boston. Today it becomes our mournful duty to record the passing away of the mother of that young man, which occurred on Tuesday morning this week. Mrs. Welch was taken ill on the night before her son's funeral and, broken-hearted over her great loss, she was in no condition physically or mentally to make the struggle for life against pneumonia and her case offered but little hope from the first. Two daughters and one son are left with the grief-stricken father to mourn the loss of a devoted mother. Deepest sympathy with Mr. Welch and his family in their double bereavement is felt and expressed by the entire florist trade of Boston.

NEW CORPORATIONS.

New Haven, Conn. The Cowan-Heller Floral Company. Capital stock \$10,000.

Springfield, N. J.—Jakobsen Floral Co., capital stock, \$4,500. Incorporators, Watson B. Morris, J. Neil Jakobsen, P. Carter Bell.

Great Barrington, Mass.—William Hall Walker has given Lord & Burnham Company the contract for the erection of the following: two orchid houses each 25 x 30; palm house 36 x 61; fern house 18 x 26; early graperies 25 x 50; late graperies 25 x 50; orangery 30 x 65; two melon houses each 18 x 47; early peach house 25 x 42; late peach house 25 x 42.

FRIENDS OF THE TRADE.

A prize of \$25 in gold has been announced by the Home Yard and Garden Association of Bridgeport, Conn. This prize will go to the person making the best development of a flower garden or porch. The small flower garden will have as good a chance to win the prize as the large one, or even a porch development may win it if the person competing has no place to plant but the porch.

The yard and garden movement is gaining conservative friends each day. It is a common sight to see boys and girls wheeling rich earth before and after school to start a flower garden, while the planting of vines and flowering plants is much in evidence everywhere. Some of the more neglectful sections of the city have not been stirred yet as much as is desired.

About 10,000 leaflets are ready for distribution this week and it is hoped by these to reach the sections where least has thus far been done. These leaflets give simple instructions as to the planting of vegetables and flowers and will be of especial value to amateurs. Others will, however, find some valuable hints in it as well.

The aim of the movement this year is to get everybody to plant something, however small the space available may be. If it is only a window box or a box on the porch, some of the most successful efforts can be brought about by planting a vine and a few flowers in a box on an upper porch.

VISIT TO ARNOLD ARBORETUM.

A very interesting trip was taken by the Gardeners' and Florists' Club of Boston through the Arnold Arboretum last Friday, May 21. The attendance was rather small, only 65 being present. This was probably due to the showers which threatened to come down any moment. Jackson Dawson and W. H. Judd led the itinerary.

PUBLICATIONS RECEIVED.

Standard Cyclopaedia of Horticulture. By Dr. L. H. Bailey. Volume III of this great work is now out. This volume embraces pages 1201-1760, figures 1471-2047, and alphabetically F to K inclusive. There are twenty-one full-page plates of great beauty and interest, three of them in colors.

The scope and detail of the work are greatly elaborated and enlarged, as evidenced in the fact that the subjects covered in this volume of 560 pages were embraced in 292 pages in the original Bailey's Cyclopaedia. An entirely new and very useful addition has been made in a list, with many portraits, of North American horticulturists of note not now living, and a history of horticultural literature with a carefully compiled and very complete list of American horticultural books, magazines and other periodicals, including names of authors and other data of much value for reference, these topics alone filling over eighty pages of fine print. The genus *Iris* which in the first Cyclopaedia filled twelve pages spreads over twenty pages in this new work, which, as we remarked in commenting upon Volume I, is to all intents and purposes a new work and not merely a new edition of an old work. The topic of the grape is extended from fifteen to twenty pages, and all through will be found many species and varieties of plants not before listed. Dr. Bailey has brought to his assistance the co-operation of a host of specialists in every line of horticultural industry, science and art and through it all runs the evidence of his own tireless energy and painstaking effort.

Those of our readers who have already acquired the first two volumes and have been looking forward wistfully to the time when the third should appear will be delighted to know that it is now ready for them, and we doubt not that impatience will grow with each succeeding volume until at last Z is reached and the horticulturists of America have at their disposal a full treasury of general knowledge more complete than has ever before been gathered together. The professional gardener who has not the Standard Cyclopaedia of Horticulture within reach for daily consultation will certainly find himself handicapped. The price is but \$6.00 per volume, making the cost of the full set when completed \$36.00. The publishers are MacMillan & Co., New York City. The Cyclopaedia can be supplied from the office of HORTICULTURE at publishers' price.

"The famous historian, Charles Morris, has written in words of flame an

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PLUMOSUS NANUS. True greenhouse-grown. 50 cts. per 100 seeds, \$1.00 for 250 seeds, \$3.50 per 1000 seeds.

PLUMOSUS NANUS. Lath house-grown. 50 cts. per 100 seeds, 75 cts. for 250 seeds, \$2.50 per 1000 seeds.

SPRENGERI. 25 cts. for 250 seeds, 75 cts. per 1000 seeds, \$3.00 for 5000 seeds.

FRESH PALM SEED

	100	1,000	10,000		100	1,000	10,000
<i>Areca lutescens.</i> (May delivery)	\$1.00	\$7.50	\$70.00	<i>Phoenix Canariensis</i>	\$1.00	\$7.50	
<i>Cocos Weddelliana</i>	1.25	10.00	80.00	<i>Latania Borbonica</i>....	.50	3.50	\$30.00
<i>Kentia Belmoreana</i>	1.00	7.50	55.00	<i>Musa Ensete</i> (Banana)....	.75	5.00	
<i>Kentia Foresteriana</i>	1.00	7.50	55.00	<i>Dracaena Australis</i>15	1.00	8.00
<i>Phoenix rupicola</i>	1.00	7.50		<i>Dracaena Indivisa</i> Tr. pkt., 10c.; oz., 30c.; ¼ lb., \$1.00.			

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Sow Now for Fall and Winter Use.

All the leading varieties of *Adiantum*, *Pteris*, *Aspidium*, *Cyrtomium*, etc., 25 cts. per packet. Sufficient to produce 500 plants.

You may deduct 5% for cash with order.

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SEEDSMAN

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account of the great deeds that have made the leaders and the rank and file of the Netherlands famous to the ends of the world for undying grit and love of national liberty." The critic who writes this of "Famous Days and Deeds in Holland and Belgium," just published by the J. B. Lippincott Company, says that "When King Albert, in August last, determined to ask his people to support him in a death grapple with the invading German host he was but carrying out the tradition established by a long line of heroic fighting patriots. * * * All those who are interested in the fate of Belgium should read this book and obtain an understanding of her past * * * no people have made such a gallant fight for their independence and national integrity." It is a great story, greatly told.

Potato Breeding and Selection. By William Stuart, Horticulturalist, Office of Horticultural and Pomological Investigation—this is Bulletin No. 195 of the Bureau of Plant Industry at Washington and is a professional paper of much value to the market gardening and farming interests.

The West Virginia Experiment Station has sent out a bulletin on Field Beans, a profitable West Virginia crop, by I. S. Cook. A very instructive pamphlet. Also, an article on Apple Rust or Cedar Rust, by N. J. Giddings and Anthony Berg.

"Tree Talk" for May has as a frontispiece a handsome engraving of the Beaman Oak, Lancaster, Mass., said to be one of the largest of its kind in New England.

Gentlemen:

Had very good results with the classified ads. and hope to have a larger stock next year so I can stay with you longer to our mutual advantage.

Thanking you for your kind treatment, I am,

RAYMOND W. SWETT.



A Magnificent Volume on Horticulture

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KIRKEGAARD'S "Trees, Shrubs, Vines and Herbaceous Perennials": a book which bids fair to become a classic in its field.

With its 410 pages packed full of garden lore, its 60 beautiful full-page sepia photos and its comprehensive planting list it is a genuine contribution to the literature of Horticulture.

An Ideal Gift

The edition is almost exhausted. We've picked up a limited quantity which we can let our readers have for \$1.50. Send cheque or money order; we'll forward the book postpaid.

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SEED TRADE

AMERICAN SEED TRADE ASSOCIATION

Officers: President, Lester I. Morne, San Francisco, Calif.; First Vice President, J. M. Leighton, Mattituck, L. I.; Second Vice President, F. C. Dungan, Philadelphia, Pa.; Secretary and Treasurer, C. E. Kendel, Cleveland, O.; Assistant Secretary, S. E. Willard, Jr., Cleveland, O.

San Francisco Convention, American Seed Trade Association.

The American Seed Trade Association will hold its annual convention at the San Francisco Convention Center, June 12-14, 1915.

Persons wishing to take this train write at once to S. F. Leonard, 226 West Kinzie St., Chicago. Friends of members are invited to take this train.

Persons who are urged to make every effort to make the special train a possibility. The side trip to San Diego may be omitted, if desired, and those requiring hotel accommodations in Los Angeles should write at once to M. L. Germain, care of the Germain Seed & Plant Co., Los Angeles. It may be necessary to alter the trip from Los Angeles up the Coast to San Francisco. Should there be 125 tickets assured we can have a special train up the Coast, which will make side trips a possibility, otherwise, it will be impossible to make more than one or two stops.

Our arrangements with the Inside Inn necessitates visitors arriving either Saturday night, June 19, or Sunday morning, June 20. Reservations at the Inside Inn can be made by writing direct to the Inside Inn, Exposition Grounds, San Francisco. Rates are:—Outside rooms, without bath, single, \$2.50 \$3.00; double, \$3.00, \$3.50 \$4.00; outside rooms with bath, single, \$3.00 \$4.00 \$5.00; double, \$4.00, \$5.00, \$7.00. Friday and Saturday the members and their families will be the guests of the local seed growers, who will bear all of the expense connected with railway fares, entertainment over night at Hotel Vendome, lunches, auto trips and barbecue at San Juan.

This will be the first time the Seed Trade Association has met west of Chicago and it will probably be many years before they will come out to California again. We are planning to give our friends a good time and hope we will have a good attendance.

Burpee's New Pet.

The new sweet pea, Fiery Cross, opened its first bloom at Fordhook Farms, Doylestown, Pa., last week. The story of W. Atlee Burpee's acquirement of this novelty is told in the Philadelphia North American thus:

Last July, at the sweet pea show in London, Mr. Burpee paid the record price of \$417 an ounce for the first three ounces of "Fiery Cross" seed ever raised.

One good look at the display of this new variety, which evidenced its rare worth by winning the highest award—the silver medal offered by the National Sweet Pea Society of England—convinced Mr. Burpee there was no use haggling over a price. So he hunted up A. Malcolm, the noted Scotch grow-

er, and after some time secured the flaming scarlet hue which characterizes the variety in the seed world.

"Three ounces," answered Malcolm.

"Will you take 250 pounds sterling for the three ounces and the right to introduce?" said the American.

"I will," said the Scotchman.

Now, three ounces of sweet pea seed contain about 900 seeds. So for each of the flaming pea which were packed for shipment with a great care as a pearl necklace, the tidy sum of \$417 was paid. And if the pea which carried these seed treasures across the Atlantic had gone down, the world's supply of this particular variety would have been lost.

Chicago Notes.

The seed laws now pending in our neighboring states are meeting with a protest from the large seedsmen. Last week the Leonard Seed Co., was represented by J. N. Clark, at Madison, Wis., where he went to fight the Wisconsin Seed Bill. Thinking it settled he returned to Chicago when it was given another hearing and Mr. Clark left again, May 25, for the Wisconsin capitol. Leonard Vaughan has been looking after the interests of the seedsmen on a similar mission at Springfield, Ill. the past week. He is opposed to the passage of the bill.

Notes.

The value of imports of horticultural goods into New York for the week ending May 25, is given as follows:—Fertilizer \$13,083, grass seed \$1,725, sugar beet seed \$15,000, trees and plants \$13,160.

Many of the cabbage growers of Wisconsin have found that it pays to disinfect their seed against some of the diseases—particularly black rot and black leg—which prey upon this crop. This is done by soaking the seed for 20 minutes in a solution of one ounce of formaldehyde (or formalin) in two gallons of water. The seed is then rinsed well with water to remove the formalin, dried, and stored in a clean sack until planted. For club root, the soil should be given a heavy application of lime, 100 bushels per acre.

CATALOGUES RECEIVED.

Skinner Irrigation Co., Troy, Ohio. Descriptive illustrated catalogue of the specialties of this company.

Knight & Struck Co., New York—Catalogue and Price List of Hardy and Tender Plants, Seeds, Bulbs, etc.

R. C. Kerr, Houston, Texas—Cut Flower Catalogue and Price List. In this publication the usual order has been reversed giving first place to the cut flower department and making the plant section subsidiary.

NEWS NOTES.

Westfield, Mass.—Mrs. J. A. Crane has presented the Westfield state san-

MICHELL'S SEEDS

FOR SOWING NOW

CINERARIA	Tr.	Pkt.
Dwarf Grand Prize	\$0.60	\$1.00
Medium Full Grand Prize	.60	1.00
James' Giant Strain	.60	1.00

PRIMULA CHINENSIS

Michell's Prize Mixture	\$0.60	\$1.00
Alba Magnifica	.60	1.00
Chiswick Red	.60	1.00
Duchess	.60	1.00
Holborn Blue	.60	1.00
Kermesina Splendens	.60	1.00
Ross Morn	.60	1.00

PRIMULA OBSCURA GIGANTEA

	Tr.	Pkt.
Elacina	\$0.50	
Kermesina	.50	
Rosen	.50	
Alba	.50	
Hybrid Mixed	.50	

PRIMULA MALACOIDES

Elacina, Tr. pkt.	\$0.50
Alba, White Orig. pkt.	.20
Rosen, Light rose to carnation rose, Orig. pkt.	.15

Also all other Seasonable SEEDS, BULBS, PLANTS and SUPPLIES

LATEST WHOLESALE CATALOG, FREE FOR THE ASKING.

HENRY F. MICHELL CO.
518 Market St., Phila., Pa.

atorium the attractive greenhouse that has been located for some years on the grounds near her residence. This is about 60 feet long and has a handsome dome in the center. The greenhouse will be transferred to its new location about June 1.

Niagara Falls, N. Y.—The Niagara greenhouse on Portage Road has been purchased by C. E. Harris and A. M. Lever of this city, who will hereafter conduct the business. Mr. Harris is an experienced florist and is well known in the city, having been connected with the flower business of E. A. Butler & Son for upwards of 28 years.

Oswego, N. Y.—A bill of sale of the tree surgery business of G. A. Thompson, to Frank J. Jacks and A. G. Thompson, has been filed in the County Clerk's office. The consideration is \$175 and the party of the first part agrees not to engage in the tree surgery business in Oswego for a period of ten years. If he does so, he authorizes the parties of the second part to recover \$500 from him.

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HARDY JAPAN LILIES

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Early and Late Flat Dutch; All Head; Wakefield; Early and Late Drumhead; Danish Ball Head and other varieties; 30c. per 100 by Parcel Post. By Express, 75c. per 500; \$1.00 per 1000; 10,000 and over, 85c. per 1000.

BET PLANTS: 75c. per 500; 1.25 per 1000. Cash with order. Send for list of varieties.

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Growers For Wholesale Dealers
SAN JOSE CALIFORNIA

HARDY LILIES for IMMEDIATE SHIPMENT

From Cold Storage Warehouse

	Size	per case	Price
Speciosum Rubrum.	8-9	225	\$12.50
"	9-11	125	12.50
"	11-13	100	12.50
Multiflorum	8-8	400	15.00

Send for complete catalogue on all bedding plants.

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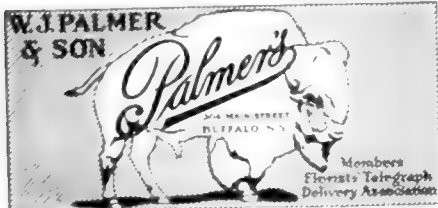
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Of Interest to Retail Florists**PRICE CUTTING.**

A Southern View

We regret very much to learn that a few of our florists have seen fit to engage in the price cutting of certain plants and flowers just at the very moment when all should remain firm and hold out for fair prices. We understand that in some sections the price of Easter lilies was cut and reduced till there was scarcely enough realized to pay expenses in connection with the handling of them to say nothing of profits. This should not be so. There are several things to be considered when the question of price reduction presents itself. Does it pay to sell stock so cheap? Will your trade appreciate the lower price enough to buy the plants or flowers more freely? Will you not be expected to make the same price in the future? We doubt if there are but few florists who will answer these questions in the negative. We believe the future effect of price cutting will result badly, for the people each year, when the time comes for certain flowers to be in demand, will expect to buy them as cheaply as the year before or nearly so. We understand that in some places this season Easter lilies were sold as low as ten cents to the retail trade. Will not your trade expect to buy Easter lilies next year at about the same price?

It is far better to sell a few articles and receive a fair profit than to sell a great quantity at a loss. It is reasoned by some that if lilies are sold cheap you will get the trade to your store and you will be able to sell other stock also at good prices. We have never seen where this plan worked to any advantage, for if you are selling the flower that is in greatest demand at very low figures your trade will expect you to sell them the other articles equally as cheap. If you do not do so they will either not buy or have some apprehension that you are playing a cunning trick upon them and therefore will be doubtful of your appreciation of their business.

There is, however, one phase of the question that must be taken into consideration. It has been the custom of some of the large department stores to stock up on seasonable flowers just at the time the demand is greatest and, of course, as they have nothing invested in this line only just what the few flowers they have in stock cost them, they may be able to sell at a slightly reduced price to what the florist can afford to sell for. We have always believed that there should be some restrictions placed upon this "Department Store" business, but we believe that it is bad policy for the florists to try to meet this competition by cutting prices. If you cut your price they can do likewise. If they lose on the few plants they handle, it will do them but little harm, but if you lose on your entire business you have not only injured your own business but you have injured the business of your fellow florists. At the very best the department stores will get only a small amount of the trade—Southern Florist.

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Artistic Designs . . .
High Grade Cut Blooms

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Albany, N. Y.—The Rosery, 23 Steuben
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Boston—Thos. F. Galvin, 1 Park St.

Boston—Penn. the Florist, 37-43 Brom-
field St.

Buffalo, N. Y.—S. A. Anderson, 440 Main
St.

Buffalo, N. Y.—Palmer's, 304 Main St.

Chicago, Ill.—Schiller the Florist, George
Asmus, Mgr.

Chicago—William J. Smyth, Michigan
Ave. and 31st St.

Cleveland, O.—J. M. Gasser Co., Euclid
Ave.

Cleveland, Ohio—Adam Graham & Sons,
5523 Euclid Ave.

Denver, Col.—Park Floral Co., 1643
Broadway.

Detroit, Mich.—J. Breitmeyer's Sons,
corner Broadway and Gratiot Ave.

Houston, Tex.—Kerr, The Florist.

Kansas City, Mo.—Samuel Murray, 1017
Grand Ave.

New London, Conn.—Reuter's.

New York—David Clarke's Sons, 2139-
2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—Young & Nugent, 42 W. 28th.
New York—Dards, N. E. corner 44th St.
and Madison Ave.

New York—Max Schling, 22 W. 59th St.

New York—G. E. M. Stumpp, 761 Fifth
Ave.

New York—Thos. F. Galvin, Fifth Ave.,
at 46th St.

New York—Myer, 609-611 Madison Ave.

New York—A. T. Bunyard, 413 Madison
Ave.

New York—National Floral Corporation,
220 Broadway.

Norwich, Conn.—Reuter's.

Omaha, Neb.—Hess & Swoboda, 1415
Farnum St.

Rochester, N. Y.—J. B. Keller Sons, 25
Clinton Ave., N.

St. Louis, Mo.—Fred C. Weber, 4326-28
Olive St.

St. Paul, Minn.—Holm & Olson, Inc.

Tarrytown-on-Hudson, N. Y.—F. R. Pier-
son Co.

Toronto, Can.—J. H. Dunlop, 96 Yonge
St.

Washington, D. C.—Gude Bros., 1214 F
St.

Washington, D. C.—F. H. Kramer, 915
F St., N. W.

Westerly, R. I.—Reuter's.

Worcester, Mass.—Randall's Flower Shop,
3 Pleasant St.

NEW FLOWER STORES.

St. Maries, Idaho—A. J. Russell.

Muscataine, Ia.—Emil Kranz, 220
Iowa avenue.

Davenport, Ia.—Forber & Bird, 313
Brady street.

Lima, O.—Feniger's Flower Shop,
136 Main street.

Ludington, Mich.—E. L. Brillhart,
Phelan building.

Winston-Salem, N. C.—Westbrook
Floral & Drug Co.

Virginia, Minn.—Virginia Floral Co.,
108 Mesaba avenue.

Los Angeles, Cal.—Pacific Rose Co.,
3444 Wilshire boulevard.

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New London and Norwich, Conn.
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TORONTO

Delivered on mail or telegraph order for
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96 Yonge St., - - TORONTO, ONT.

NEWS ITEMS FROM EVERYWHERE

BOSTON.

Harry Penn, florist, has taken on several college boys as extra help, an experiment in the psychology of employees which Mr. Penn has been trying out during the last few months. Much space is being used in newspaper advertising this week.

This is one of the busiest weeks in the year for the plant grower. A. Leuthy who is one of the old reliables for the Boston trade tells us that the bedding plant call this spring has gone ahead of the record on some things while on others it has lagged badly. Geraniums have never sold as they have this year and he cannot get them in bloom fast enough. Geraniums must be in bloom to sell. Cannas are also in unprecedented demand, as well as salvias, Zurich being the popular favorite in the latter. Alternantheras are going rapidly too, the variety Turban having the preference over the old Brilliantissima. It is noticeable that the main call this season is for bright colors the reds and scarlets being almost exclusively demanded. In many cases, a very consistent predilection in this year of fire and bloodshed.

Among the foliage plants which have sold well this spring are *Draena indivisa* and rubbers. The latter promise to be very scarce and few will care to risk their importation this year owing to the almost certain transportation delays which rubbers cannot stand. It looks like a big opportunity for some one to go in heavily on the propagation of this plant in this country. Boston ferns are very scarce at present, no surplus anywhere. Among the bedding stock not hitherto used much for outdoor planting heretofore *Schizanthus Wisetonensis* seems to be finding a place for itself and is making many friends.

WASHINGTON, D. C.

Miss Esther Gude, daughter of Adolphus Gude, her mother, grandmother and a girl friend, had a narrow escape

Monday afternoon. A large touring car crashed into the Gude car and badly damaged it. Although escaping serious injury, the ladies were badly shaken up.

The fourth annual rose exhibition of the Brookland Rose Society closed all previous efforts of that organization. Charles F. Tansill, president of the society, won most of the prizes, including the sweepstake gold medal presented by Bishop Shahan. George W. Hess, was the chairman of the judging committee.

A miniature rose show was conducted last week at the United States Botanical Gardens. Mr. Hess made a display of about seventy-five varieties. The gardens are now at their best with respect to the spring flowers. There are beds of peonies covering nearly an acre of ground. A bed of banana plants, has just been set out, bordered with cannas.

Hedge shears imported are dutiable at the rate of 30 per cent. ad valorem according to a decision of the U. S. Court of Customs Appeals, and are not entitled to free entry as "agricultural implements." The court held that hedges, whether on the farm or around the city home, were ornamental only and not entitled to classification with articles used for the production of foodstuffs.

LANCASTER, MASS.

The gardens at Hawthorne Hall, the beautiful summer home of Mr. and Mrs. Bayard Thayer, at Lancaster, Mass., were on Saturday last, between the hours of 2 and 7, open to the public, and the generous invitation extended by Mr. and Mrs. Thayer to the people of all this section, to view the gorgeous floral display, was accepted by a large number, although on account of the heavy rain in the afternoon, the attendance was not as large as last year. Throughout the afternoon the people wandered over the spacious lawns of the estate from one garden to the other, spending perhaps the most time in the Italian garden where the lilacs were superb this year. The tulips in the walled English garden never looked better. The Darwins are remarkable for their length of stem, size of flower and brilliancy of color. Some new and very fine varieties have been added to the collection since last year. Irises look very promising.

The new Chinese "*Exochorda grandiflora Wilsoni*" was a mass of white flowers and is said to be the largest plant of this variety in cultivation and was much admired. The flowering crab apples were in full bloom, the double flowering *Malus Ionensis* being especially beautiful. A good many rhododendrons were lost here this season but the survivors have all been rearranged and there is nothing left to indicate any trouble, thanks to the adroit planting skill of Superintendent William Anderson.

CHICAGO.

Geo. Nemecek has bought out Jas. E. Papacek at 3250 W. 26th street.

Emma G. Owen opened the "Flower Shop" May 18th, at 404 N. Laramie avenue.

W. R. Mesler & Co. of Ilmo, Mo., are showing a wood veneered box of the knock-down type, to growers in Chicago. It is wire bound and appears to be practical.

Zech & Mann believe in a motto of "old customers first" and are writing to that effect to would-be customers who send in their first orders this week for Memorial Day.

Garden plants are reported as being ruined by the cold winds that followed the premature springlike weather, and at Winterson's Seed Store, demands for second orders for replacing early plantings are reported as coming in. All soft wooded stock had a poor chance to live in the open ground.

John Michaelson of the E. C. Amling Co., sizes up the peony crop as about one-half of a normal one. Following last year, when we had almost a double crop, the situation is hard to grasp. The shipments now are coming from one hundred to one hundred-fifty miles from Chicago and a very few locals are being cut.

S. P. Leonard has the sympathy of the trade in the loss of his youngest son Robert Weston Leonard, who passed away at the home of his brother, in Antec, Wis., May 17th. The funeral took place from the family home in Oak Park, Ill., March 20th, and interment was at Rose Hill Cemetery. The deceased was thirty years old and had been ill over a year.

A. L. Vaughan & Co. have taken up a new enterprise in addition to their regular wholesale flower business. They are manufacturing a very attractive line of florists' baskets and as the use of baskets is constantly growing more and more popular with the flower buying public, it looks as if the venture were bound to be a success like everything else this firm undertakes.

Chas. A. Samuelson had the decoration for one of the largest events of the spring, the Stout-Armstrong wedding. It was a rose wedding and 300 plants of Dorothy Perkins, Tausendschoen and Baby Rambler were used. The seven large arches in the home were party enclosed with a lattice, hung with clusters of roses. Four tall standards made up to represent rose trees, seven ft. in height, were used where the bridal party stood. Table decorations and bouquets carried out the same scheme with beautiful effect.

At Frank Oechslin's, the only exclusive plant range in Chicago, every truck and horse is in use delivering plants. The extreme warm weather in

"HERE COMES THE BRIDE"

and she can't get along without the florist. For a **really successful wedding** the Florist is almost as essential as the Groom. So June should be your **Busy Month**.

FOR THE JUNE WEDDING

we have **Lace Bridal Holders, Wedding Cords, Wedding Posts, Wedding Gates, Kneeling Stools, Gauze Chiffons** for Shower Bouquets; **Bridal Scarfs, Resting Baskets, Shepherd's Crooks, Directoire Staffs.**

FOR GRADUATIONS

Hi-Art Decorative Commencement Baskets and all other accessories. Stock up now and have the goods to show customers. Send for prices and you will be astonished to see how much you can do with a little money when you go straight to headquarters

THE FLORISTS' SUPPLY HOUSE OF AMERICA

H. BAYERSDORFER & CO.

1129 Arch Street, PHILADELPHIA, PA.

April hurried along the trade and bedding out is ahead of the usual season. So far, Memorial Day gives evidence of being up to other years in the demand for all kinds of blooming and decorative plants for trade in the retail flower stores.

Geo. Wienhoeber says that since he has learned how to handle cybotiums in his store that he can keep them any length of time without losing one. He places them in a window where they will get plenty of strong light for a week, as soon as they are received, and after this they are acclimated to store life and can be used in any part of the store without injury. As his store is one of the most artistic in the down-town district, this experience may be a help to retailers whose experience with this fern may have been unsatisfactory.

The new type of greenhouse construction used by the J. C. Moninger Co., is meeting with much favor. Among their newest orders is one from Thos. T. Brown, of Greenville, Mich., for a vegetable house for growing cucumbers. It is 84 by 600 feet, and not a casting is used in its entire construction except in the ventilation apparatus, all is steel. The Ann Arbor Greenhouse Co., is also having two vegetable houses each 32 by 300 feet, built by the Moninger Co., and Mrs. Francis Spickerman has placed an order for a conservation in addition to her store in Sandwich, Ill.

SAN FRANCISCO.

J. W. Walters, florist, of Los Angeles, Cal., was here recently prior to sailing for Honolulu with his sister.

H. F. Reeves, son of John Reeves of the Beverly Hills Nursery, is visiting the exposition here this week.

The Art Floral Co. has been making a fine display at their shop on Powell street of peonies specially grown for them in Santa Rosa.

Geo. A. H. Farmer has resigned as secretary of the Porterville Chamber of Commerce in order to devote his full attention to his nursery interests near Terra Bella, Cal.

Alfred Hammersmith, well known florist, now designer for Joseph's on Grant avenue, has the sympathy of the trade in his bereavement caused by the death of his wife.

The building in which D. Gruettner & Son, florists of Vallejo, Cal., have been located, is to be replaced immediately by a new structure in which the firm will re-locate.

Chas. H. Totty of Madison, N. J., left for home on May 19th after serving on the group jury of awards at the Panama-Pacific Exposition. He expected to stop in Southern California and at Grand Canyon en route.

Announcements have been sent out to the effect that the American Sweet Pea Society has postponed the show scheduled for June 4th in the Palace of Horticulture, Panama-Pacific International Exposition, until June 23d and 24th, owing to the recent spell of

wet weather. Entries will now be received up to June 10th.

The local Ways and Means Committee and sub-committees, which are preparing for the coming convention of the Society of American Florists, are holding weekly meetings, and very good progress is being made in all directions. Space in the convention garden in Golden Gate Park has been so largely signed up that the taking of additional ground is under consideration.

PHILADELPHIA.

The flower market in Rittenhouse Sq., was a good success this year as last, and drew great crowds. This is a society event fashioned after Parisian notions. The trade has been liberal in contributions and support as they realize that such functions have a tendency to foster an interest in horticulture. We cannot have too many of them, and it makes no difference what the motives of the promoters. If the ladies want to be seen and admired a flower market is a far more wholesome excuse than a turkey trot.



Real Butterflies

Moths, Beetles, etc., mounted on pins for floral decorations of every description. Largest stock in America. Write for prices.

The New England Entomological Company
366 Arborway, Jamaica Plain, Mass.

For School Commencements and June Weddings

VALLEY CATTLEYAS BEAUTIES

A Large Supply of PEONIES
Let Us Know Your Requirements
Our Quotations Will Interest You

THE LEO NIESSEN CO.

Wholesale Florists

N. W. Cor. 12th and Race Sts., PHILADELPHIA, PA.

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When Writing to Advertisers

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N. F. McCarthy, Mgr.

Block Letters, \$2.00 per 100.
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Order direct or buy from your local
supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always
in Stock.

POEHLMANN BROS. CO.

Supply of Best Cut Flowers all the Year Around
72-74 EAST RANDOLPH ST., - - - CHICAGO.

If interested, send us your name and address for our weekly price list.

WELCH BROS. CO.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE
SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI May 21		CHICAGO May 25		BUFFALO May 25		PITTSBURG May 24	
Roses								
Am. Beauty, Special.....	20.00	to 25.00	15.00	to 20.00	20.00	to 25.00	25.00	to 30.00
" " Fancy and Extra.....	12.50	to 15.00	20.00	to 30.00	12.00	to 15.00	15.00	to 20.00
" " No. 1.....	8.00	to 10.00	10.00	to 20.00	6.00	to 10.00	8.00	to 12.00
Killarney, Richmond, Extra.....	5.00	to 8.00	6.00	to 10.00	5.00	to 7.00	8.00	to 12.00
" " Ordinary.....	2.00	to 4.00	2.00	to 5.00	3.00	to 4.00	4.00	to 6.00
Hillingdon, Ward, Sunburst, Extra.....	5.00	to 7.00	7.00	to 10.00	6.00	to 9.00	8.00	to 12.00
" " Ordinary.....	2.00	to 4.00	2.00	to 5.00	4.00	to 6.00	4.00	to 6.00
Maryland, Radiance, Taft, Extra.....	5.00	to 8.00	.....	to 6.00	6.00	to 8.00	8.00	to 12.00
" " Ordinary.....	3.00	to 4.00	.....	to 3.00	3.00	to 6.00	4.00	to 6.00
Russell, Hadley, Ophelia, Mock.....	3.00	to 8.00	.....	to 20.00	5.00	to 7.00	8.00	to 12.00
Carnations, Fancy.....	2.00	to 4.00	4.00	to 5.00	3.00	to 4.00	.....	to 6.00
" " Ordinary.....	.....	to 3.00	.....	to 3.00	2.00	to 3.00	4.00	to 5.00
Cattleyas.....	.....	to 50.00	.....	to 60.00	40.00	to 50.00	50.00	to 60.00
Lilies, Longiflorum.....	8.00	to 10.00	8.00	to 10.00	8.00	to 10.00	.....	to 8.00
" " Rubrum.....	.....	to 3.00	.....	to 3.00	3.00	to 5.00	.....	to 5.00
Lily of the Valley.....	3.00	to 4.00	3.00	to 4.00	.....	to 4.00	.....	to 4.00
Daisies.....	.....	to 1.50	1.00	to 1.00	1.00	to 1.50	1.00	to 3.00
Stocks.....	2.50	to 3.00	2.00	to 3.00	2.00	to 3.00	1.00	to 4.00
Snapdragon.....	.....	to 4.00	4.00	to 6.00	3.00	to 5.00	4.00	to 6.00
Iris.....	.....	to 8.00	.....	to 8.00	.....	to 8.00	.....	to 8.00
Peonies.....	2.00	to 4.00	4.00	to 8.00	.....	to 8.00	.....	to 8.00
Gladioli.....	4.00	to 4.00	5.00	to 5.00	4.00	to 6.00	4.00	to 6.00
Calendulas.....	.....	to 1.00	2.00	to 3.00	3.00	to 4.00	1.00	to 3.00
Sweet Peas.....	.85	to .85	.60	to 1.50	.50	to 1.50	.50	to 1.50
Corn Flower.....	.....	to .75	.....	to .75	.....	to 1.00	.50	to 1.00
Gardenias.....	2.00	to 4.00	25.00	to 30.00	20.00	to 25.00	.....	to 25.00
Adiantum.....	.....	to 1.00	.75	to 1.00	1.00	to 1.25	.....	to 1.25
Smilax.....	15.00	to 20.00	15.00	to 18.00	.....	to 15.00	.....	to 20.00
Asparagus Plumosus, Strings (100)	.....	to 50.00	50.00	to 60.00	40.00	to 50.00	.....	to 50.00
" " & Spreng. (100 bchs.)	35.00	to 50.00	25.00	to 50.00	25.00	to 35.00	30.00	to 50.00



G. E. CRITCHELL

"The" Wholesale Florist of Cincinnati
32-34-36 East Third Street

Consignments Solicited. Complete stock of
Florists' Greens and Supplies.

Mention Horticulture when writing.

Wired Toothpicks

Manufactured by

W. J. COWEE, Berlin, N. Y.

10,000...\$1.75. 50,000...\$7.50. Sample free
For sale by dealers.

E. G. HILL CO.

Wholesale Florists

RICHMOND, IND.

Please mention Horticulture when writing.

WILLIAM F. KASTING Co.

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Plantmen and Florists

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1619-21 RANSTAD ST., Philadelphia, Pa.

CHOICE BEAUTIES, ORCHIDS, VALLEY, ROSES
and all Seasonable Varieties of Cut Flowers

MICHIGAN CUT FLOWER

EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

264 RANDOLPH ST., DETROIT, MICH.


Flower Market Reports

BOSTON The cut flower market has improved very slowly and with but little advance in prices. The trade in artificial Memorial Day goods is cutting into the sale of fresh flowers. The local retail stores have stocked up heavily in prepared wreaths and are creating a great demand for their product. Carnations are the only natural flowers that are securing satisfactory holiday prices, the poorer goods being in greater demand for bouquets, flat sprays, etc. Roses are in moderate supply; but only special grade blooms are realizing 10 cents. Peonies are coming in in large numbers from Southern sources and secure about 8 cents. Present indications point to heavy supply of these for Memorial Day. Orchids, especially C. Mossiae are in fair demand, but do not enter much into the holiday trade. Gardenias meet with little or no demand. None of the southern out-of-door crop are seen here yet. In miscellaneous flowers the market is well supplied with Easter lillies, mignonette, callas, daisies, irises, gladioli, snapdragon, pansies, etc. Green goods are plentiful and of rather mediocre quality. Altogether the cut flower market is not what it should be at this season.

BUFFALO A rainy week and business was not flourishing. Receipts are heavy on roses and quantities of outdoor stock such as lilacs, tulips, lily of the valley, irises, etc., are offered. The carnation supply has shortened up again. Lilies were plentiful enough and find fair sales, but short white and pink roses have been accumulating. Peonies are coming in but the demand is not any too brisk as yet. With the coming of Memorial Day indications point toward a good week's trade especially in the peony line.

CHICAGO If the flowers that could not be sold at a satisfactory price after the holidays could only be available now, they would make Chicago florists happy. With orders pouring in from all over the country and hardly enough stock to take care of the daily trade, it is a sure thing that there will be many disappointed people, wholesalers, retailers and customers. It is safe to say that there is not a wholesale house in Chicago that can fill all the orders now received and this is Tuesday with four more days to be taken into account. Some of the plants are off crop and all have had cold and wet to contend with. Since May 1st, 21 days have had a rainfall at some time of the 24 hours and very little sunshine has helped open the buds. American Beauties are considered good and there is a fair cut, but they are used up each day. Carnations and roses are both scarce. Peonies are coming in, in proportion to the size of the crop, but that is small. Miscellaneous flowers help out and there is a very good supply of sweet peas, lilies and lily of the valley.

CINCINNATI A good many of the outdoor flowers in the gardens that usually compete with those of the florists for Memorial Day business will have



PEONIES

in all shades, the newer and better varieties, splendid quality. For June Wedding and Commencement work, a choice lot of Princesse Nicolas and Festiva Maxima, two of the best decorative Peonies on the commercial market today.


\$6.00 to \$8.00 per 100.

Plenty of other choice varieties at \$3.00, \$4.00 and \$5.00 per 100.

S. S. PENNOCK-MEEHAN CO.

The Wholesale Florists of Philadelphia

PHILADELPHIA, 1608-1620 Ludlow Street
NEW YORK, 117 West 28th Street
BALTIMORE, Franklin and St. Paul Sts.
WASHINGTON, 1216 H St., N. W.



WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON May 27		ST. LOUIS May 24		PHILA. May 26	
Roses						
Am. Beauty, Special	15.00	to 30.00	20.00	to 35.00	20.00	to 30.00
“ “ Fancy and Extra	1.00	to 12.00	10.00	to 15.00	12.00	to 20.00
“ “ No. 1	4.00	to 10.00	5.00	to 8.00	5.00	to 10.00
Killarney, Richmond, Extra	4.00	to 10.00	4.00	to 6.00	6.00	to 10.00
“ Ordinary	1.00	to 3.00	1.00	to 2.00	1.00	to 5.00
Hillingdon, Ward, Sunburst, Extra	6.00	to 10.00	4.00	to 8.00	4.00	to 6.00
“ Ordinary	2.00	to 4.00	2.00	to 3.00	2.00	to 3.00
Maryland, Radiance, Taft, Extra	6.00	to 10.00	4.00	to 6.00	5.00	to 8.00
“ Ordinary	3.00	to 4.00	2.00	to 3.00	2.00	to 4.00
Russell, Hadley, Ophelia, Mock	4.00	to 12.00	5.00	to 10.00	5.00	to 15.00
Carnations, Fancy	2.00	to 5.00	1.00	to 2.00	3.00	to 4.00
“ Ordinary	2.00	to 3.00	.50	to .75	2.00	to 3.00
Cattleyas	30.00	to 50.00	35.00	to 40.00	25.00	to 50.00
Lilies, Longiflorum	6.00	to 8.00	6.00	to 8.00	5.00	to 8.00
“ Rubrum	2.50	to 3.00	3.00	to 4.00	2.00	to 4.00
Lily of the Valley	.50	to 1.50	1.00	to 2.00	.50	to 1.00
Daisies	1.00	to 1.50	1.00	to 3.00	1.00	to 2.50
Stocks	2.00	to 4.00	2.00	to 3.00	2.00	to 4.00
Snapdragon	1.00	to 2.00	1.00	to 1.00	1.00	to 1.00
Irises	5.00	to 8.00	1.00	to 1.00	1.00	to 1.00
Peonies	2.50	to 3.00	4.00	to 5.00	2.00	to 6.00
Gladioli	1.00	to 1.00	1.00	to 2.00	2.00	to 4.00
Calendulas	.25	to 1.00	.15	to .40	.50	to 1.50
Sweet Peas	.50	to .75	1.00	to 1.00	.75	to 1.00
Corn Flower	10.00	to 15.00	1.00	to 2.00	10.00	to 20.00
Gardenias	.50	to 1.00	1.00	to 1.25	1.00	to 1.00
Adiantum	10.00	to 12.00	10.00	to 15.00	20.00	to 25.00
Smilax	25.00	to 50.00	35.00	to 50.00	50.00	to 50.00
Asparagus Plumosus, Stripes (100)	25.00	to 50.00	15.00	to 20.00	25.00	to 50.00
“ & Spreng. (100 Bchs.)	25.00	to 50.00	15.00	to 20.00	25.00	to 50.00

finished blooming and will leave the way clear for the florists' stock. Advance orders for this day are unusually heavy. Roses are plentiful including everything from Killarney to American Beauties. Carnations are not quite so plentiful as they were. The cut of peonies is very heavy and unless the unexpected happens should easily take care of all Decoration Day demands. The lily cut, too, is large. They have been selling rather indifferently. Lily of the valley and orchids have only a fair market. Gladioli and miniature gladioli are in a pretty good supply.

As a usual thing the
NEW YORK New York city trade are not burdened

with much Memorial Day work, the main disturbance in the wholesale markets being caused by the out-of-town call, especially so by the demand for carnations from New England centers. The prospects are the prices in general will be very much higher for Memorial Day than they have been in former seasons. Stock of all kinds today has shortened up very much and

prices in consequence have advanced all along the line. If any of this advance is based on the New England trade, however, disappointment may be in store for some of the operators for the artificial wreath man is having his innings in and around Boston with a vengeance and there is no telling just how much of his popularity is due to the rapacious prices placed upon pickled carnations for Memorial Day in the past. However, we hope that the apparently better balanced wholesale market now prevailing will continue and that all will benefit by the change from the unsatisfactory conditions of past years. Southern asparagus continues to arrive in large quantities, and is clearing out at about the usual prices. If anything the quality of this asparagus is better just at present than it has been for some time. Smilax is scarce. Peonies are arriving from the South, and those that are of good quality meet with a ready demand at 4 and 8c. If there is anything that is moving unsatisfactorily it is orchids. It

H. E. FROMENT

Wholesale Commission Florist
Choice Cut Flowers

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" " Fancy and Extra	4.00	to 5.00	4.00	to 12.00
" " No. 1	2.00	to 3.00	2.00	to 3.00
Killarney, Richmond, Extra	2.00	to 5.00	1.00	to 6.00
" " Ordinary	1.00	to 2.00	1.50	to 3.00
Hillingdon, Ward, Sunburst, Extra	2.00	to 5.00	3.00	to 6.00
" " Ordinary	1.00	to 2.00	1.50	to 3.00
Maryland, Radiance, Taft, Extra	2.00	to 5.00	2.00	to 6.00
" " Ordinary	1.00	to 2.00	1.50	to 3.00
Russell, Hadley, Ophelia, Mock	2.00	to 12.00	2.00	to 12.00
Carnations, Fancy	2.00	to 3.00	3.00	to 4.00
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Advertisements under this head, one cent a word. Initials count as words

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will show on the respective pages.

Buyers who want to know what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

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ARACARIA ENCLISA

2000 Lbs. Plants from 25¢ to 1.00. Must be
8 in. Never withers. 8 in. pot. Right
Time to Buy. THOMAS COGGER, 225
Lancet St., Melrose, Mass.

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All sizes. Price List on demand. JULIUS
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A. M. Davenport, Watertown, Mass.
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Begonia Lorraine, \$1.00 per 100, \$110.00
per 1000. Begonia Lorraine, 1000, \$110.00.
\$1.00 per 100, \$110.00 per 1000. JULIUS
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Lord & Burnham Co., New York City.

BOXES CUT FLOWER FOLDING

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made.
Write for list. HOLLON & HUNKEI CO.,
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BOX TREES Standard, Pyramids and
Bush. In various sizes. Price List on de-
mand. JULIUS ROEHRS CO., Rutherford,
N. J.

BUDDLEIA VARIABILIS

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C. KEUR & SONS, HILLEGOM, Holland.
Bulbs of all descriptions. Write for prices.
NEW YORK Branch, 8-10 Bridge St.

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Canna Specialists.

Send for Canna book.

THE CONARD & JONES COMPANY,
West Grove, Pa.

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Split carnations quickly, easily and
cheaply mended. Pillsbury's Carnation
Staple, 1000 for 35¢; 3000 for \$1.00 post
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\$1.00. F. W. WAITE, 85 Belmont Ave.,
Springfield, Mass.

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Major Bonnaffon, Pacific Supreme, Alice
Byron, Golden Glow, Chrysolora, rooted
cuttings, \$15.00 per 1,000; out of 2-in. pots,
\$20.00 per 1,000. SHEPARD'S GARDEN
CARNATION CO., Lowell, Mass.

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The most popular Commercial and Ex-
hibition kinds; also complete line of Pom-
pons, Singles and Anemones. Trade list
on application. ELMER D. SMITH & CO.,
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Donatello, Hallday, Bonnaffon, Unaka,
Pacific Supreme, Dr. Enguehard, \$15.00 per
1000. J. Nonin, Xmas White, Mrs. Syme,
Yanoma, Comoleta, Chrysolora, Roman
Gold, Appleton, Minnie Bailey, Wells' Late
Pink, Patty, Helen Frick, Harvard, \$17.50
per 1000. H. J. ROLFE, Hammonton, N. J.

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CYCLAMEN — Separate colors; finest
strain; extra strong plants; 3-inch pots,
\$10.00 per 100, \$90.00 per 1,000. JULIUS
ROEHRS CO., Rutherford, N. J.

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Send for Wholesale List of whole clumps
and separate stock; 40,000 clumps for sale.
Northboro Dahlia and Gladiolus Gardens,
J. L. MOORE, Prop., Northboro, Mass.

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John Wanamaker, Newest, Handsomest,
Best. New color, new form and new habit
of growth. Big stock of best cut-flower
varieties. Send list of wants to
PEACOCK DAHLIA FARMS, Berlin, N. J.

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Dracaena indivisa, extra heavy, 3½-inch and 5-inch, \$5.00 and \$20.00 per 100. Cash. F. SOKOL, College St., Worcester, Mass.

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FUCHSIAS

Fuchsias—Black Prince, Speciosa, double purple and white, Rooted Cuttings, \$1.00 per 100; 2½-in., \$2.00 per 100.
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GERANIUMS—S. A. Nutt, 3½-in., \$7.00 and \$8.00 per 100; Poitevine, 3½-in. and 4-in., \$8.00 and \$10.00 per 100; La Favorite, 3½-in., \$6.00 and \$8.00 per 100.
Heliotropes, 3½-in., \$8 per 100. Cash.
CHAS. H. GREEN, Spencer, Mass.

Geraniums Nutt, Ricard, Poitevine; English Ivy, Heliotrope, 3½-inch, \$6.00 per 100. Begonia Vernon, Salvia Bonfire, white Marguerite, German Ivy, *Dracaena indivisa*, 3½-inch, \$5.00 per 100. Blue Ageratum, double Alyssum, 3 inch, \$4.00 per 100. Coleus Verschaffeltii, Golden Bedder and other fancy varieties, 2½-inch and 3-inch, \$2.50 and \$4.00 per 100. Geranium Sallerol, 3-inch, \$5.00 per 100. Vinca variegata, 3½-inch, \$7.00 per 100. *Dracaena indivisa*, extra heavy, 5-inch, \$20.00 per 100. Alternanthera, red, yellow, 2-inch, \$2.00 per 100. Cash. F. SOKOL, College St., Worcester, Mass.

GLADIOLUS

John Lewis Childs, Flowerfield, L. I., N. Y.
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Gladiolus Bulbs on hand. America, Halley, Augusta, \$1.00 per 100. 50,000 (on boat near Boston) of America, Halley, Princeps, Hulot, Mrs. King, Pink Beauty, Lily Lehman. Get my prices. THOMAS COGGER, 229 Laurel St., Melrose, Mass.

SPECIAL CLEAN UP SALE.

Mrs. Francis King, \$1.25 per 100; medium, 60c. per 100. America, medium, \$4.00 per 1,000; 1 inch, \$2.00 per 1,000; small, \$1.00 per 1,000. S. E. SPENCER, Brookland Gardens, Woburn, Mass.

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Greenhouse glass, lowest prices. JOHN-STON GLASS CO., Hartford City, Ind.

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APHIDSPRA—Non-poisonous; kills sucking insects; 30c.

ACMESPA — Non-poisonous; controls leaf-eating worms; 50c.
WRIGHT, East Islip, N. Y.

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English Ivy Rooted Cuttings, 75c. per 100, post paid. From soil 20 to 30 in., \$3.00. From pots 12 to 15 in., \$4.00. CHAS. FROST, Kenilworth, N. J.

JUNIPERUS SABINA VAR. PROCUMBENS
Mt. Desert Nurseries, Bar Harbor, Me.

LEMON OIL

Lemon Oil Co., Baltimore, Md.
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PEONIES

Peonies. The world's greatest collection.
1200 sorts. Send for list. C. BETSCHER,
Canal Dover, O.

PECKY CYPRESS BENCHES

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PLANT TRELLISES AND STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. SEELE & SONS, Elkhart, Ind.

PLANT TUBS

American Woodenware Mfg. Co., Toledo, O.
Tree Tubs and Brass Hoop Jardineres.
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H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

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POINSETTIAS

A. Henderson & Co., Chicago, Ill.
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PRIVET

California Privet, 12 to 18 in., \$8.50; 18 to 24 in., \$11.50; 24 to 30 in., \$16.00; 30 to 36 in., \$20.50.

Amoor River North, transplants, \$10.00; 12 to 18 in., \$15.00; 18 to 24 in., \$20.00; 24 to 30 in., \$25.00 per 1000. Dormant, No. 1 stock in storage. Shipment the day order is received. VALDESIAN NURSERIES, Bostle, N. C.

RATIA

McHutchison & Co., New York, N. Y.
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RHODODENDRONS

P. Ouwerkerk, Hoboken, N. J.
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Framingham Nurseries, Framingham, Mass.
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RIBBONS AND CHIFFONS

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ROSES

Henry A. Dreer, Philadelphia, Pa.
Roses for Outdoor Planting.

Poehlmann Bros. Co., Morton Grove, Ill.
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P. Ouwerkerk, Hoboken, N. J.
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Robert Craig Co., Philadelphia, Pa.
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American Grown Roses.
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Bay State Nurseries, North Abington, Mass.
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Framingham Nurseries, Framingham, Mass.
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Wood Bros., Fishkill, N. Y.
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Rose Specialists.

THE CONARD & JONES COMPANY,
West Grove, Pa. Send for offers.

SEASONABLE PLANT STOCK

R. Vincent, Jr. & Sons Co., White Marsh, Md.
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Alonzo J. Bryan, Washington, N. J.
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SEED GROWERS

California Seed Growers' Association,
San Jose, Cal.

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Leonard Seed Co., Chicago, Ill.

SEEDS

Carter's Tested Seeds,
Seeds with a Pedigree.

Boston, Mass., and London, England.
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Schilder Bros., Chillicothe, O.

Onion Seed—Onion Sets.
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Joseph Breck & Sons, Boston, Mass.
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Kelway & Son,

Langport, Somerset, England.
Kelway's Celebrated English Strain Garden Seeds.

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J. Boigliano & Son, Baltimore, Md.
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A. T. Boddington, New York City.
Asparagus and Palm Seed and Fern Spores.
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Chas. Schwake & Co., New York City.
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Michell's Seed House, Philadelphia, Pa.
Seeds for Present Sowing.
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W. Atlee Burpee & Co., Philadelphia, Pa.
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Thos. J. Grey Co., Boston, Mass.
Seeds for Present Planting.
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J. M. Thorburn & Co., New York City.
Seeds for Present Sowing.
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S. Bryson Ayres Co., Independence, Mo.
Sweet Peas.
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Lochner & Co., New York City.
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Ant. C. Zvolnek, Lompoc, Cal.
Winter Flowering Sweet Pea Seed.
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W. E. Marshall & Co., New York City.
Seeds, Plants and Bulbs.
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August Rolker & Sons, New York City.
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Barnett Bros., 98 Chambers St., New York.
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Pottler, Fiske, Rawson Co., Boston, Mass.
Aster Seed.
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SKINNER IRRIGATION SYSTEM

Geo. N. Barrie, Brookline, Mass.
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SNAPDRAGONS

Thoroughly Tested Strains.

Silver Pink, Golden Fleece, Pure white (winter bloomer). Rooted cuttings, \$2.00 per 100; potted plants, 2-inch, \$4.00 per 100.

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Live Sphagnum moss, orchid peat and orchid baskets always on hand. **LAGEB & HURRELL**, Summit, N. J.

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George N. Barrie, Brookline, Mass.
The Barrie Soap Sprayer.
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Orchids—Largest stock in the country—Stove plants and Crotons, finest collection. **JULIUS ROEHRS CO.**, Rutherford, N. J.

SWEET PEA SEED

Ant. C. Zvolanek, Lompoc, Calif.
New Price List.
For page see List of Advertisers.

S. Bryson Ayres Co.,
Sunnyslope, Independence, Mo.
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THE ANGLE LAMP

Globe Gas Light Co., Boston, Mass.
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VEGETABLE PLANTS

R. Vincent, Jr. & Sons Co., White Marsh, Md.
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Celery Plants: Golden Self-Blanching (French strain), fine plants, ready now, \$2.00 per 1000. Cash. Special prices on large lots. **BRILL CELERY GARDENS**, Kalamazoo, Mich.

VENTILATING APPARATUS

The Advance Co., Richmond, Ind.
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The John A. Evans Co., Richmond, Ind.
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VINCAS

F. R. Pierson Co., Tarrytown, N. Y.
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Leonard Cousins, Jr., Concord Junction, Mass.
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Vinca Variegata from 4-inch pots, \$10 per 100. **WM. CAPSTICK**, Auburndale, Mass.

WEED DESTROYER

Pino-Lyptol Chemical Co., New York City.
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WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
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WIREWORK

Reed & Keller, New York City.
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WILLIAM E. HEILSCHER'S WIRE WORKS, 264 Randolph St., Detroit, Mich.

WHOLESALE FLORISTS

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Albany Cut Flower Exchange, Albany, N. Y.
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Cincinnati

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Michigan Cut Flower Exchange, 38 and 40 Broadway.
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Traendly & Schenck, 436 6th Ave., between 26th and 27th Sts.
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Guttman & Reynor, Inc., 101 W. 28th St., New York.
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Philadelphia

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The S. S. Pennock-Meehan Co., 1216 H St., N. W.
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New Offers In This Issue

BEGONIAS—CYCLAMEN—PAN-DANUS VEITCHI—DRA-CÆNAS—CAMELLIAS.

Julius Roehrs Co., Rutherford, N. J.
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CHANGE OF ADDRESS.

Samuel Murray, Kansas City, Mo.
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GREENHOUSE CONSTRUCTION.

J. C. Moninger Co., Chicago, Ill.
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NATURAL GREEN AND DYED SHEET MOSS.

Knud Nielsen, Evergreen, Ala.
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PALMS—FERNS—DECORATIVE AND FOLIAGE PLANTS.

A. Louthy & Co., Roslindale, Boston, Mass.
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PEONIES.

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POT GROWN VINES FOR LATE PLANTING.

Henry A. Dreer, Philadelphia, Pa.
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WEDDING DECORATION ACCESSORIES.

H. Bayersdorfer & Co., Philadelphia, Pa.
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WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "Care HORTICULTURE" should be sent to 147 Summer St., Boston.

FOR SALE

FOR SALE—Fresh from factory, now: 10 x 12, 16 x 18, 16 x 24, double thick, A and B qualities. Market dropped. Now is the time to buy and save money. **PAE-SHELSKY BROS., INC.**, 215-217 Havemeyer St., Brooklyn, N. Y.

THE NUT-GROWER

The unique monthly publication which furnishes reliable and interesting up-to-date information regarding the value of pecans and other edible nuts and how to grow them for profit.

Subscription, \$1.00 per year

Sample Copy Free

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WAYCROSS, GA.

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Est. 1768

FOR "POT LUCK" USE

Inc. 1904

Pot Makers for a
Century and a Half**HEWS STANDARD POTS**World's Largest
Manufacturers

AND RED EARTHENWARE SPECIALTIES

Write for Catalogue
and Discounts**A. H. HEWS & CO., Inc., Cambridge, Mass.**Warehouses:
CAMBRIDGE, MASS.
NEW YORK, N. Y.**RADIUM AS A FERTILIZER.**

Has a list of the crops and the results of the tests which are being made, and also regarding the stimulative effects of radium on the growth of plants.

Professor D. P. H. of the Illinois experiment station in bulletin No. 177 explode these fables very completely.

It appears that one grain of radium costs more than most good, modern greenhouse establishments earn, net, in a year (\$10,000). It further appears that if an enterprising (or fool) florist owning a place netting \$10,000 per year should invest the whole year's profits in one grain of radium the increase of crop for the next year due to the radium could easily be put in the northeast corner of one of the eyes of his smallest baby and not inconvenience the child in the least.

We have been pleased with the wonderful results from radium applied to the tomato-potato grafting process as recently described, but we remember to have seen some very successful results of this kind without radium. We have seen ten trials of this sort conducted under uniform conditions without radium. One a beautiful success and the

DREER'S "Riverton Special" Plant Tub

No.	Diam.	Ea.	Dox.	100
10	20 in.	\$1.45	\$16.00	\$130.00
20	18 in.	1.30	14.00	115.00
30	16 in.	1.00	11.25	92.00
40	14 in.	.65	7.00	56.00
50	12 in.	.45	5.00	40.00
60	10 in.	.38	4.00	32.00
70	8 in.	.30	3.50	28.00

Manufactured for us exclusively. The best tub ever introduced. The neatest, lightest and cheapest. Painted green, with electric welded hoops. The four largest sizes have drop handles.

HENRY A. DREER, Seeds, Plants, Bulbs, and Supplies, 714 Chestnut Street, Philadelphia, Pa.

other nine falling short in various degrees and in various ways. We have seen another lot of five all successful (without radium).

When the gentleman gets that "radiated" tomato seed saved, let him have Burbank, or one of his hired men, sow it and let the Luther Burbank society describe the resulting plant. Without doubt the seedling plant would produce a peck of potatoes above ground, a half bushel of tomatoes under ground and a barrel of spinach between, which would add \$400,000,000 to the world's wealth, but imagination fails. Burbank and Radium. Radium and Burbank. Hellup! I feel faint.—*W. N. R. in Gardening.*

Houston, Tex.—Miss M. C. Fagen, R. F. D. 3, two houses, each 25x50.

Pittsfield, Mass.—Dean W. Colton, 47 Egremont avenue, one house.

Fairmont, Minn.—John Leng and S. Sjevik, Allen avenue, three houses.

Garrett Park, Md.—David Bisset, 1817 Lord & Burnham houses, each 25x75.

Ann Arbor, Mich. — Ann Arbor Greenhouse Co., three houses, each 32x300.

Minneapolis, Minn.—Chicago Avenue Floral Co., Chicago avenue and 43d street, two houses. Hans Rosacker, two houses, each 28x260.

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OF

Outdoor Rose Growing

FOR THE HOME GARDEN

by

GEORGE C. THOMAS, JR.

Elaborately Illustrated with 96 Perfect Reproductions in Full Color of All Varieties of Roses, and a Few Half-tone Plates. Octavo, Handsome Cloth Binding, in a Slip Case. \$4.00 net. Postage Extra.

We have sold a number of copies of this sterling book. One purchaser writes as follows:

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We loaned it to a friend and he likes it so well we're afraid that we will have to buy another.

Respectfully,

A. R.

Every rose grower should possess a copy of this book.

IT IS THE REAL THING

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BOSTON.

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TEMPLATED.**

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Bradford, Mass.—James Allen, one house.

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Amesbury, Mass.—J. J. Comley, one house.

Macomb, Ill.—Frank Bonham, house, 14x100.

Walker, Minn.—State Sanatorium, one house.

Philadelphia, Pa.—Wm. A. Leonard, rebuilding.

New Carlisle, O.—Chas. Taynor, plant house.

Bunceton, Mo.—E. C. Stammerjohn, house 20 x 110.

Anoka, Minn.—Anoka Greenhouse Co., one house.

Ottawa, Ill.—Davis & Steiner Co., 500 ft. house.

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Grand Ledge, Mich.—Doty & Huggett, house, 25x114.

Wellesley Hills, Mass.—Thomas Capers, house, 40x300.

Bismark, N. D.—Oscar H. Will & Co., range of houses.

Norwood, Pa.—Macaw Bros., Lord & Burnham house, 35x150.

Devil's Lake, N. D.—Devil's Lake Greenhouses, additions.

Greenfield, Mich.—Thos. F. Brown, Moninger house, 84x600.

Highland Falls, N. Y.—A. P. Muckenhaupt, palm house 22 x 28.

Laurel Springs, N. J.—A. C. Stack, Lord & Burnham house, 17x56.

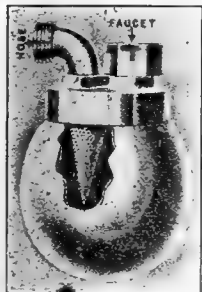
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is now here. Even the forest trees around our gardens are covered with this pest. What are you doing about it? Fighting the green fly for the past few years has been a continuous performance and an expensive one with the ordinary spraying devices.

A BARRIE SOAP SPRAYER screwed to your faucet and a few pounds of fish oil soap solves this problem without further expense or labor. This is but one of its many uses. It is equally valuable in the greenhouse.

Made of Brass, Nickel Plated, Lasts Forever. PRICE THREE DOLLARS. Send for Circular.

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THE VERY NEWEST AND QUICKEST METHOD OF DESTROYING WEEDS, GRASS AND OTHER GROWTH IN GARDEN WALKS, GUTTERS, TENNIS COURTS, DRIVEWAYS, ETC.

This fluid absolutely destroys all weeds and other growth wherever applied, and its effect on the ground prevents the growth of fresh ones for a year and thus saves a great deal of time and labor, as no cutting, hoeing or hauling away of the weeds is required.

We manufacture the strongest line of DISINFECTANTS on the market.

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NIKOTEEN For Spraying
APHIS PUNK For Fumigating

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Unequalled for Greenhouse and
Landscape Fertilizing

THE PULVERIZED MANURE CO.

31 Union Stock Yards, Chicago

1000 READY PACKED CRATES STANDARD FLOWER POTS AND BULB PANS

can be shipped at an hour's notice. Price

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R. W. S.



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Save your plants and trees. Just the thing for Greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrip, Red Spider, Black and Green Fly, Mites, Ants, Insects on Rose-bushes, Carnations, etc., without injury to plants and without odor. Used according to directions our standard Insecticide will prevent ravages on your crops by insects.

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Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pests. Excellent as a wash for dogs and other animals. Relieves mange.

Effective where others fail.

1/2 Pint...25c; Pint...40c; Quart...75c
1/2 Gal., \$1.25; Gal., \$2.00; 5 Gal. Can., \$9
10 Gal. Can., \$17.50

Dilute with water 30 to 50 parts.

For Sale by Seedsmen and Florists' Supply Houses
If you cannot obtain this from your supply house write us direct.

LEMON OIL COMPANY, Dept. K

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Directions on every package

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They Cost Only Once Cent a Word
Undisplayed.



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A scalecide and fungicide combined for San Jose and various scale on trees and hardy stock, and various blights which affect them.

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A 12% nicotine solution properly diluted for fumigating or vaporizing.

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MADISON, N. J.

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President

M. C. EBEL
Treasurer

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Where there is a house that is just full of buds almost ready to show color, nothing will turn better color into the flowers than a little soot, that can be scattered over the benches before watering. The amount applied should not be excessive, as the soot is very strong and may damage some of the foliage somewhat. Apply just enough to blacken the surface of the soil in the benches, and let it go at that. Better a little oftener than too much all at once.

We offer the genuine in original cwt.

Sacks, at:

\$4.00 per 112 lbs.; \$17.50 per 560 lbs.

Stumpp & Walter Co.

30-32 Barclay Street, NEW YORK

Cocoanut Fibre Soil WAR

Does not stop the use of Humus. All seedsmen keep it in stock. It is the last word in Fertilizing Humus.

Send for Prices.

20th CENTURY PLANT FOOD CO.

27 & 29 OCEAN ST.,

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Aetna Brand Tankage Fertilizer

Is the best balanced Fertilizer on the market, and is giving satisfactory results wherever used.

Farmers and Florists Fertilizer Company

809 Exchange Ave., Room 5, U. S. Yards,

CHICAGO, ILL.

Telephone—Drover 1932.

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BEST OF ALL FOR HOT WATER HEATING

No More Cast Iron Boilers

There is no other boiler in the world that can be installed in a greenhouse and run on a single burner of gas or oil. It is the only boiler that can be installed in a greenhouse and run on a single burner of gas or oil. It is the only boiler that can be installed in a greenhouse and run on a single burner of gas or oil.

Kroeschell Replaces Cast Iron

Kroeschell's boiler is the only one that can be installed in a greenhouse and run on a single burner of gas or oil. It is the only boiler that can be installed in a greenhouse and run on a single burner of gas or oil. It is the only boiler that can be installed in a greenhouse and run on a single burner of gas or oil.

KROESCHELL BROS. CO., 466 W. Erie St., CHICAGO, ILL.

TRADE

SKINNER

SYSTEM

OF IRRIGATION.

MARK.

for Farm, Garden, Lawn and Greenhouse

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BROOKLINE, - - - MASS.

KING

The name that assures "the most for the money" in

GREENHOUSES

Write for Bulletin No. 47 and you will see why.

KING CONSTRUCTION CO.

28 King's Road, N. Tonawanda, N. Y.

MASTICA

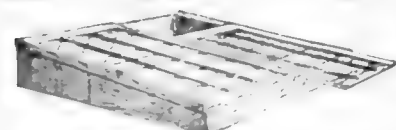
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USE IT NOW.

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Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.



Hotbed Sash at 75c each

Made of best grade Gulf cypress.

Glazed Hotbed Sash from \$1.65 up.

Double Light Sash up to \$4.00.

We carry a large stock of all sizes. Write us for estimate.

S. JACOBS & SONS

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No. 23
JUNE 5
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When writing to advertisers kindly mention HORTICULTURE.

NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil."—*Pope*.

Chrysanthemums

The grower who desires to cut good blooms by the end of September should lose no time in getting his stock planted. For early chrysanthemums, an ideal compost is three parts loam, one part decomposed manure and a good sprinkling of fine bone. Use sod that was piled up last fall which will now be in fine condition for the young roots to work in. For producing high-class blooms 9 by 9 inches will be about right for single stemmed flowers. The distance apart to plant will depend on the size and quality of the flowers wanted. Some plant as close as 6 by 6 inches but these will never be as good as those that have more room. It is better to water around the plants at first and when they have made enough roots the entire bed can be watered. When planting see that every part is firmed well, leaving a slight depression around each to hold the water.

Cyclamen

Shift them along as they may require from time to time, using a moderately firm fibrous loam two parts, leaf mold two parts, and one part cow manure, and see that they have ample drainage. Spray them overhead and wet down the walks and walls. Give a weekly fumigation to keep them clear of the persistent aphids. Those that are plunged outside in a cold frame should have some lath shade. Where you use sashes see that they are raised up from 8 to 10 inches bottom and top, and during hot days give a spraying overhead two or three times a day, and keep them as cool as possible.

Fancy Caladiums

In order to bring out their high colors they must not be grown in a too much shaded position. They need a little protection from the direct sun under glass, but it should be comparatively light. They will want careful ventilation to harden them up before being used for decoration. They will now need more water at the roots. Look them over at least twice a day. As the pots become well filled with roots, use a little liquid manure once in four or five days. In summer they succeed well in an ordinary greenhouse and should not be moved direct from a warm, moist home to a cool draughty position, or wilting will result. After midsummer, when flowering plants are none too abundant, the fancy caladiums, with their beautifully colored leaves are extremely use-

ful. For room decoration and on piazzas where not too exposed or windy, these caladiums stand remarkably well.

Marguerites

The early-propagated portion of the coming season's stock should now be far enough advanced to require 4 and even 5-inch pots. Use turfy loam three parts and decomposed manure one part. They should get their final shift by the last week in July and be kept pinched. It is better to keep them growing on in pots during the summer as they make more compact plants by having their root room restricted. Size and vigor are only imparted by good summer treatment, which is always a permanent gain to this winter flowering stock. See that they have plenty of water at the roots and syringing. When pots become filled with roots liquid manure should be given once a week. These pots can be plunged somewhere outside where they will be handy for water. Older or left-over plants from last spring can now be planted out and will furnish cuttings for fall propagation.

Winter Flowering Stocks

In recent seasons considerable space has been devoted to their culture. For early winter flowering now is the time to make a sowing. Take pains to obtain the best strain of seed in the market. Sow in pots in a mixture of new loam and leaf mold with some sand. Give a good watering some little time previous to sowing the seed. Cover the seed very lightly, finishing by pressing the surface even all over. Place under a cold frame and shade until the young seedlings begin to appear when they should have full sun. When large enough to handle pinch or pot off and keep on shifting until they are in 5-inch pots. Late in the fall they will show their buds and you then can distinguish the singles from the double ones. The single buds are always long and pointed, while the double are short and stubby.

Syringing

Do not fail in giving all stock under glass a daily syringing, at least during the hot summer months. All plants are troubled with insect pests, and a daily syringing done every bright morning will effectually keep down red spider, thrips, etc. It also helps during spells of torrid weather to lower the temperature of the houses.

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"A stern and rock-bound coast"
 We have in our notes on the opposite page another interesting and, in a way, instructive communication on the effects of the peculiar winter of 1914-15 upon evergreen trees. It

never fails to come in mind that the climate of Kent's coast, Maine, is very much more severe than that of Boston and vicinity whence came our previous report. It is far colder although not very much farther south than Boston, and a further severity is added by the very frequent and bleak sea wind exposure—a factor which must be seriously considered in all planting. Not only do species and varieties that are fairly reliable from Boston southward frequently succumb entirely, but even the more resistant trees and shrubs if they have been reared in a more salubrious climate are often found to be poorly fitted to withstand the rigors of this Maine coast. We have room for more discussion on this all-important subject.

From all accounts it appears that Memorial Day made an excellent record all around this year. The fear expressed by many that the artificial

and preserved material would cut into the trade in fresh flowers seems not to have been justified. Indeed, in some places the sale of the imitation goods is reported as having been distinctly "off" as compared with last year and a considerable stock of this material is left on the hands of some of those florists who bought heavily in anticipation of a great demand. The cheap department stores helped to overdo this thing and to this extent the growers of flowers have reason to be grateful to the department stores. Little complaint is heard concerning the quality of the cut flowers supplied for Memorial Day. The widely prevalent cool weather was favorable to the production of blooms with some good constitution and keeping qualities and also helped to hold down any tendency to overproduction. So whatever enhanced prices were in effect had some reasonable basis in the balance of supply and demand and altogether it is safe to say that Memorial Day for 1915 was a general success and fully up to its best traditions as a distinctively florists' day.

Time to speak up
 It requires some urging and zealous personal missionary work to induce a large attendance on conventions now-a-days, especially where the distance is such as to make the cost of transportation something of a burden to the man of average means. The comfort and pleasure of those who have to go any great distance to a convention is so greatly enhanced by traveling as a party, with exclusive accommodations, that we always feel for those who work so assiduously and then fail to get a sufficient number to enroll to secure these advantages. Secretaries and committee members are doing their utmost to induce full attendances at the Nurserymen's meeting in Detroit and the Seed Trade gathering in San Francisco, both of which are now drawing near, and for the S. A. E. Convention in San Francisco, which is the crowning horticultural gathering of the year. We do not need to say that either one of these affairs will richly repay every one in attendance whose business interests are in line with the objects for which these societies respectively stand. This fact is pretty well acknowledged today. But we would just like to say a word on behalf of the busy men who are exerting every nerve to not only make the meetings successful but to insure the pleasure and comfort of all who participate. The plans they are endeavoring to mature should in all justice be given the earliest consideration and intentions promptly communicated. To this proposition we can almost hear a chorus of hearty Amens coming from every individual who has ever undertaken the rounding-up of a convention party.

Winter Effect on Conifers in Maine

Mr. Hans J. Koehler has kindly handed us the following communications which have come to him from a friend in Kennebunk, Me., and which will, no doubt, prove of much interest to our readers as a sequel to the discussion which has taken place in *HORTICULTURE* recently relative to the condition of plants out of doors this spring.

Kennebunkport, Maine,
May 18th, 1915.

My Dear Mr. Koehler:

I am sure you will be interested to hear how the past winter (or rather spring) has used us down here. I am sorry to say that it has used us badly, and in the most unexpected ways that you could imagine. The last thing you would expect to be hit, namely, the native flat growing junipers, were the hardest hit of all. I had to root up over 150 of them that were killed outright and a large number of those I have left are very seedy looking, but I think will recover. Another thing that got hit badly was the spruce and hemlock screen planting on the north side of the laundry and laundry yard. There were over a dozen trees there, mostly hemlock, that were so badly blighted that I had to take them out. I put white spruce in their place. Of all the trees to come through with flying colors the white spruce carries off the palm. Not a single one of them anywhere shows the least sign of damage. White spruce for mine.

The kalmia and Rhododendron maximum, also the few hybrids we planted amongst the maximums as a test case, came through fine. Only about three of the kalmias were killed, a few being slightly scorched in places where the sun hit them. Of course they were protected as they are every year, lots of spruce trees stuck in amongst them. One large *Retinospora plumosa* on the ledge to the north of the laundry building, in what we call the laundry bay, was killed; a nice specimen *Retinospora squarrosa* at the east end of the laundry was killed and a number of the other fancy evergreens around the place had some of the limbs killed, but are not at all gone beyond recovery. Some of the cedars on west side of avenue also got killed and others are severely shaken. Another strange thing is that the nice globular bushes of *Viburnum opulus nanus* around the edges of the planting in the turn-around at front door have been killed back quite badly. They are breaking out down below now, however, and I hope will come out all right. The bed of *Taxus canadensis* to the north of library also got a severe shaking, and I had to

change over a few of them. The *Taxus cuspidata* planted in various places around, with no protection whatever did not have a scratch. The *Taxus canadensis* was heavily protected. Altogether it was a strange season down here but the effect on the native junipers was the strangest of all. I went out looking up plants to replace those killed and found peculiar conditions. In the Merrill pasture of fifty acres of perfectly flat land I would find a large well-shaped plant without a sign of damage, and not ten feet away, and under what seemed exactly the same conditions of exposure, would be a mate to it killed completely.

I may add that we had a warm dry March and a dry fall. I kept the sprinklers running last fall until the frost stopped me. The rhododendrons, kalmia and fancy evergreens were heavily soaked.

I trust I have made myself clear to you and that you may find my description of things to be of interest to you.

Yours very respectfully,

(Signed)

ALEXANDER BURR.

In a later letter, in reply to some particular inquiries by Mr. Koehler, Mr. Burr wrote as follows:

My Dear Mr. Koehler:

The white pines stood well. I see only two trees at all affected, one near my cottage, along the roadside and one near the barn. The new growth is appearing on them now. The Austrian, Scotch and Jack pines came through in splendid shape. I would class them amongst the white spruces as being ideal for situations like ours. The red spruce also did well, with a few exceptions, but does not look so bright as the white variety. We have no Norway spruces here, but others in this vicinity stood the winter quite well. Regarding the *Spiraea van houttei*, some of ours do not show a sign of leaving out yet, while others are nearly in full leaf. The wood is green, but the buds do not swell and I believe they are killed back nearly half way. Also *S. thumbergii* got hard hit in places. The *Taxus canadensis* planted in the woods are well scorched; the *Aesculus parviflora* looks sound. That native cedar you mention, south of the house, and growing right on a ledge, came through splendidly, not a sign of a burn or scorch. The hemlocks at the back of the rhododendron bed are in fine shape, as are all of them around the cottage, and south of the paddock fence. Some of them back of the barn got knocked out but they were straggling specimens at best. Of the six golden dwarf junipers three got killed and three survived. They had no protection whatever and never had any. *Abies concolor*, *Picea pungens*, *Abies fraseri* and *Picea polita* came through in splendid shape.

The Glory of the Wisteria

The Wisteria is surely the most beautiful hardy climber of the temperate zone. It would be difficult to imagine a more charming floral spectacle than that presented in the picture which is used as our cover illustration this week—two plants festooning practically four sides of the house, which, by the way, is the residence of the editor. We purposely use the original Linnæan spelling, Wisteria, as used at the Arnold Arboretum, and not Wistaria as adopted by Nicholson, Bailey and some others.

There seems to be some confusion as to the origin and identity of the various Wisteria species. The plant

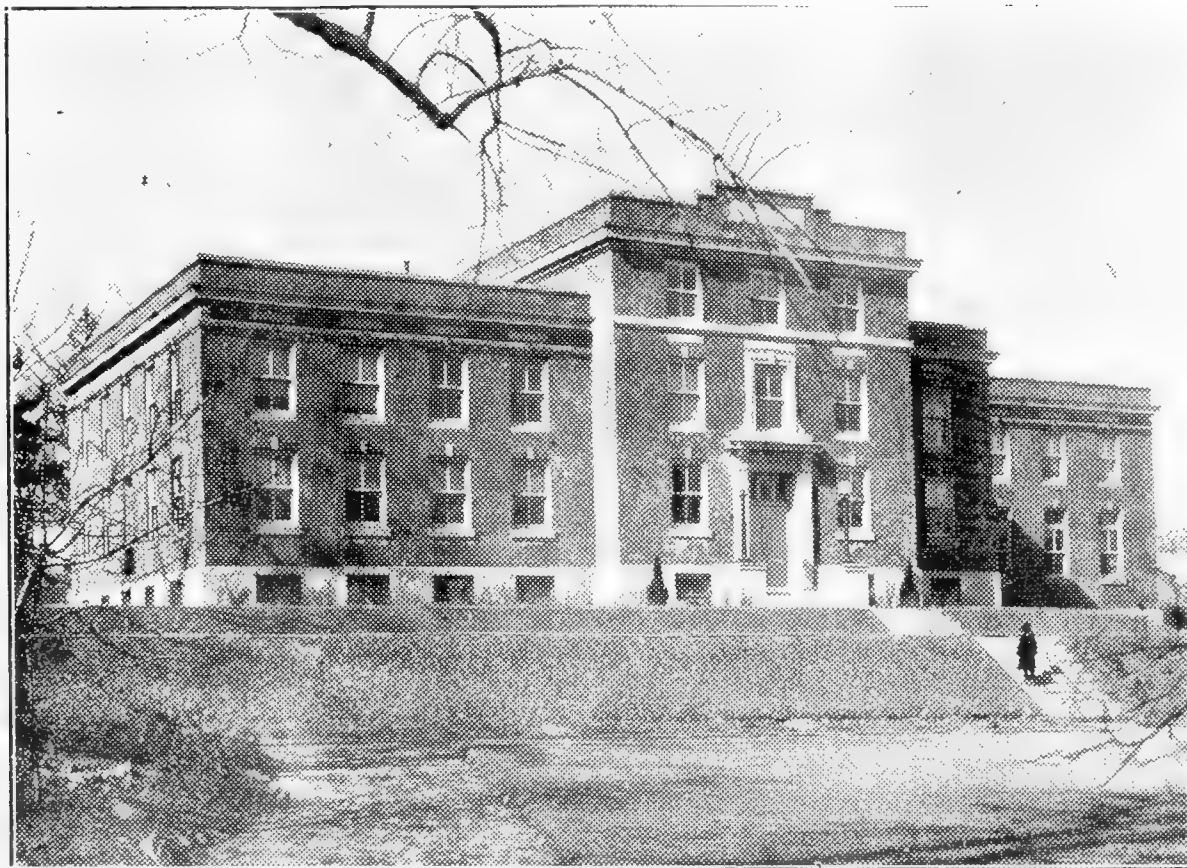
shown in the picture is what is almost universally grown and generally known as *Wisteria sinensis*. Nicholson and Bailey both say of *W. chinensis* that the flowers are inodorous. But the flowers in this instance are very heavily perfumed, so much so as to be almost oppressive in a room with the windows open at blooming time.

In our opinion the Wisteria is most attractive and graceful when the racemes are not too densely massed and the vines not too closely attached to the wall but are so trained as to project out unconventionally in irregular spurs and arching sprays. To attain this result constant pruning and directing are necessary, but these attentions are all richly repaid.

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Horticulture

Publicity among the kind of readers reached
by this paper is THE SORT OF PUBLICITY
THAT PAYS.

THE NEW GRAY HERBARIUM AT HARVARD



(Photo Copyright Boston Photo News Co.)

The Gray Herbarium at Harvard, which has been under the process of reconstruction since 1910, has recently been opened to the public. Concrete floors have been installed and steel cases erected for the specimens collected by Dr. Asa Gray between 1830 and 1850. Dr. Benjamin Lincoln Robinson, professor of systematic botany at Harvard, has been appointed curator.

COMING EVENTS.

Shows.

San Francisco, Cal., June 4.—American Sweet Pea Society's special show in connection with the Exposition.

Newport, R. I., July 8-9.—Annual show and meeting of American Sweet Pea Society, in connection with Newport Garden Assoc. and Newport Hort. Soc.

Lenox, Mass., July 27-28.—Summer exhibition of Lenox Horticultural Society.

Newport, R. I., Aug. 12, 13, 14.—Mid-summer exhibition of Newport Garden Club and Newport Horticultural Society.

Lewiston, Me., Aug. 27-28.—Fall exhibition in Lewiston City Hall of Lewiston and Auburn Gardeners' Union. Chas. S. Allen, President, Auburn, Me.; Mrs. Geo. A. Whitney, Secretary, 151 Winter St., Auburn, Me. Meetings first Friday in each month.

Orange, N. J., Oct. 4.—Tenth Annual Dahlias, Fruit, Gladioli and Vegetable Show of N. J. Floricultural Society. Geo. W. Strange, Sec., 84 Jackson St.

Poughkeepsie, N. Y., Oct. 28-29.—Annual flower show of Dutchess County Horticultural Society. N. Harold Cottam, Sec., Wappingers Falls.

New York, N. Y., Nov. 3, 4, 5.—Annual Chrysanthemum Show of the American Institute, Engineering Societies Building.

New York, N. Y., Nov. 4-7.—Annual Autumn exhibition of Hort. Soc. of New York, Museum of Natural History.

Cleveland, O., Nov. 10-14.—Annual show and meeting of Chrysanthemum Society of America. Chas. W. Johnson, Sec., 2226 Fairfax Ave., Morgan Park, Ill.

Meetings.

Detroit, Mich., June 7.—Detroit Florists' Club, Bemb Floral Hall, 153 Bates St. R. H. Wells, Sec.

Montreal, Que., June 7.—Montreal Gardeners' and Florists' Club, Montreal Floral Exchange, 140 Mansfield St. W. H. Horobin, Sec.

Holyoke, Mass., June 8.—Holyoke and Northampton Florists' and Gardeners' Club, at O. D. Allyn's houses.

Newport, R. I., June 8.—Newport Horticultural Society, Music Hall. Wm. Gray, Sec., Bellevue Ave., Newport.

Chicago, Ill., June 9.—Gardeners' and Florists' Union No. 10615, 232 North Clark St. Louis Heidtman, Sec., 3610 N. Richmond St.

Morristown, N. J., June 9.—Morris County Gardeners' and Florists' Society, Masonic Hall. Ed. Reagan, Sec., 139 Madison Ave.

Davenport, Ia., June 10.—Tri-City Florists' Club. Second Thursday of each month in Rock Island, Moline and Davenport, alternately. Wm. Goos, Sec., Bettendorf, Davenport.

New London, Conn., June 10.—The New London Horticultural Society, 38 Main St. J. M. Humphrey, Sec.

Omaha, Neb., June 10.—Omaha Florists' Club, Court House, Lewis Henderson, Sec., 1519 Farnum St., Omaha.

St. Louis, Mo., June 10.—St. Louis Florists' Club, Odd Fellows' Hall, No. 2. J. J. Beneke, Sec., 1216 Olive St.

Hartford, Conn., June 11.—The Connecticut Horticultural Society, County Bldg.

Alfred Dixon, Sec., 25 Wilcox St., Wethersfield, Conn.

Dobbs Ferry, N. Y., June 12.—Dobbs Ferry Horticultural Society, Odd Fellows' Hall. B. Harms, Sec.

New York, N. Y., June 12.—Horticultural Society of New York at American Museum of Natural History. Geo. V. Nash, Sec., N. Y. Botanical Garden, Bronx Park, New York.

Newark, N. J., June 13.—Wein, Obst A Gartenbau Verein, 15 Newark St. Peter Caille, Sec., 111 Avon Ave.

New Orleans, La., June 13.—Gardeners' Mutual Protective Association, 114 Exchange Alley. John Parr, Sec., 4539 North Rampart St.

Rochester, N. Y., June 14.—Rochester Florists' Association, 95 Main St., East. H. B. Stringer, Sec., 47 Stone St.

New York, N. Y., June 14.—New York Florists' Club, Grand Opera House Bldg., Eighth Ave. and Twenty-third St. John Young, Sec., 53 W. 28th St., New York.

Baltimore, Md., June 14.—Gardeners' and Florists' Club of Baltimore, Florists' Exchange Hall, St. Paul and Franklin Sts. Noah F. Flitton, Sec., Gwynn Falls Park, Sta. F., Baltimore.

Cincinnati, O., June 14.—Cincinnati Florists' Society, Jabez Elliott Flower Market. Alex. Ostendarp, Sec.

Cleveland, O., June 14.—Cleveland Florists' Club, Hotel Hollenden, Club Room B. Frank Friedley, Sec.

Boston, Mass., June 15.—Gardeners' and Florists' Club of Boston, Horticultural

W. N. Craig, Sec., Farmington, Conn.

Lake Geneva, Wis., June 14.—Lake Geneva Horticultural Society, W. N. Craig, Sec., Lake Geneva, Wis.

Minneapolis, Minn., June 14.—Minneapolis Horticultural Society, W. N. Craig, Sec., Minneapolis, Minn.

Toronto, Ont., June 14.—Toronto Horticultural Society, W. N. Craig, Sec., Toronto, Ont.

Newark, N. J., June 14.—Newark Horticultural Society, W. N. Craig, Sec., Newark, N. J.

New Orleans, La., June 14.—New Orleans Horticultural Society, W. N. Craig, Sec., New Orleans, La.

Tacoma, Wash., June 14.—Tacoma Horticultural Society, W. N. Craig, Sec., Tacoma, Wash.

Detroit, Mich., June 14.—Detroit Horticultural Society, W. N. Craig, Sec., Detroit, Mich.

Montreal, Que., June 14.—Montreal Horticultural Society, W. N. Craig, Sec., Montreal, Que.

Newport, R. I., June 14.—Newport Horticultural Society, W. N. Craig, Sec., Newport, R. I.

Hartford, Conn., June 14.—Hartford Horticultural Society, W. N. Craig, Sec., Hartford, Conn.

Dobbs Ferry, N. Y., June 14.—Dobbs Ferry Horticultural Society, W. N. Craig, Sec., Dobbs Ferry, N. Y.

Newark, N. J., June 14.—Newark Horticultural Society, W. N. Craig, Sec., Newark, N. J.

Baltimore, Md., June 14.—Baltimore Horticultural Society, W. N. Craig, Sec., Baltimore, Md.

Norwich, Conn., June 14.—Norwich Horticultural Society, W. N. Craig, Sec., Norwich, Conn.

Providence, R. I., June 14.—Providence Horticultural Society, W. N. Craig, Sec., Providence, R. I.

San Francisco, Cal., June 14.—San Francisco Horticultural Society, W. N. Craig, Sec., San Francisco, Cal.

Detroit, Mich., June 14.—Detroit Horticultural Society, W. N. Craig, Sec., Detroit, Mich.

Fort Worth, Tex., June 14.—Fort Worth Horticultural Society, W. N. Craig, Sec., Fort Worth, Tex.

BRITISH HORTICULTURE.

The R. H. S. Spring Show.

The Spring Show of the Royal Horticultural Society, which opened on May 18th at the Royal Hospital Gardens, Chelsea, showed a falling off in total entries compared with last year's exhibition, but the quality of the exhibits was all that could be desired. Orchids, of course, made a brilliant display. Here were to be seen the finest specimens from the conservatories of Sir Jeremiah Colman, Sander & Son, Charlesworth & Co., J. Cypher & Sons, J. Gurney Fowler, Stuart Low & Co., Bush Hill Park, Middlesex; Mansell & Hatcher, Ltd., and others. Roses formed an attractive feature. The development of the rambler, multiflora, and polyantha classes has enabled the specialists in this section to produce some pleasing effects with trailing strings of bloom on lattice work and arches. A superb array of our national flower was

HYDRANGEAS

We have a magnificent lot of large plants grown in tubs and half-barrels for

JULY AND AUGUST FLOWERING

We have made a specialty of hydrangeas for years, and our plants have never been finer than they are this year. They are well budded, and will begin to show color the end of June, and will be in perfection during July and August—when they are most in demand.

Hydrangea Otaksa, the standard pink variety, and the new French hydrangeas—Avalanche, Fraicheur, La Lorraine, Mme. Maurice Hamar, Mme. E. Mouillere and Mile. Renee Gaillard.

Strong plants in tubs, \$2.00 and \$3.00 each, according to size. Otaksa, very large specimens in half-barrels, \$7.50, \$10.00 and \$12.50 each—according to size.

DRACENA INDIVISA.

Large plants for centers of vases, 50c, 75c, \$1.00 and \$1.50 each—according to size.

CROTONS.

Assorted varieties for bedding, in 3½ and 4 inch pots, \$15.00 and \$25.00 per 100.

VINCA MAJOR VARIEGATA.

We have a fine stock of this in strong, heavy plants in 4 inch pots at \$10.00 and \$12.00 per 100—according to size.

ENGLISH IVY.

Strong plants, 4 inch pots, \$10.00 and \$12.00 per 100—according to size.

Nephrolepis Teddy, Jr., 8 inch pots, \$1.00 each; 4 inch, 15c. each; 2½ inch, \$6.00 per 100.

Nephrolepis elegantissima compacta, 3½ inch pots, 25c. each; 2½ inch, \$6.00 per 100.

Nephrolepis elegantissima, 8 inch pots, \$1.00 each; 2½ inch, \$6.00 per 100.

Nephrolepis muscosa and Smithii, 3½ inch pots, 25c. each; 5 inch, 50c. each.

Nephrolepis Harrisii, 6 inch pots, 50c. each; 12 inch, very large specimens, \$4.00 and \$5.00 each.

Cibotium Schiedel, large plants, 10 inch pots, \$3.50 each.

Table Ferns, assorted varieties, nice plants, 2½ inch pots, \$4.00 per 100; extra size, 3½ inch pots, \$15.00 per 100.

WINTER-FLOWERING ROSES.

We have a particularly fine stock of Ophelia, Francis Scott Key, and Prince E. C. d'Arenberg—strong plants, own root and grafted; also a fine lot of grafted roses in the standard varieties, like Killarney Brilliant, Mrs. Aaron Ward, Sunburst, Mrs. Geo. Sawyer, Mme. Edmond Rostand, etc., etc. We will be glad to quote prices on application.

F. R. PIERSON CO., Tarrytown, New York

staged by the leading nurserymen. Each season there is a noticeable advance in the excellence of the carnations, both in the American introductions and those raised on this side of the Atlantic. The leading specialists were well represented. A bright patch of color was afforded by the fine displays of May flowering tulips. There were no striking novelties amongst the sweet peas. Raisers are evidently content to make the most of the already long list of varieties which are competing for public favor. The alpine and rock plant, the herbaceous plant, and the conservatory plant section were all of an all-round excellence. The following were awarded gold medals: J. Gurney Fowler, Sander & Sons, Charlesworth & Co., Fromow & Son, Blackmore & Langdon, R. & G. Cuthbert, C. Engelmann, H. B. May & Son, W. Paul & Son, Sutton & Sons, W. Bull, A. Dickson & Sons, Dobbie & Co., Hon. Vicary Gibbs, and Sir Everard Hambro.

Aiding the War Victims.

Distressing stories have reached this country of the terrible havoc caused by the war amongst the gardens and orchards of Belgium, France, Poland and Serbia. With a view to lending a help-

ing hand a fund has been instituted by the Council of the Royal Horticultural Society. King George has become the patron of the fund, and has subscribed £100 (pounds). At present over £3,000 has been subscribed, and further donations are coming in. A commissioner has been dispatched by the Society to Serbia, from which this country formerly received a quantity of preserved fruit, to report upon the best means of reviving the fruit industry after the war.

W. H. ADSETT.

PERSONAL.

Svend A. Hansen, formerly of Chatham, N. J., is now at Bound Brook, N. J., on the Mrs. P. Johnson estate.

Thos. Windram of Cold Springs, Ky. left on Tuesday, for his place, the Lake Shore Ferneries at Leesburg, Fla.

J. V. Wickler has discontinued his florist business at Galena, Ill., and is now employed as gardener on the estate of John C. Bauer, Naperville, Ill.

Roland Clarke succeeds John Haffner in the employ of the Kenyon Avenue Floral Company, Westerly, R. I. Mr. Haffner has located in Pittsburgh.

WANTED: OLEANDER TREES

Pot Grown, Pink and White, 5 to 6 Feet High.

Quote Price to

ALEX. McCONNELL

611 Fifth Avenue
NEW YORK CITY

DINNER TO THOMAS F. GALVIN

Complimentary dinner to Thomas F. Galvin on the fiftieth anniversary of his career as a florist and horticulturist by a few of his friends. Thus read the inscription on the menu in the big banquet hall of the Copley-Plaza Hotel on Wednesday, evening, June 2. The "few" friends of Boston's widely known and universally respected retail florist numbered fully one hundred of the leading men in the florist and seed trade of Boston and vicinity together with representatives of other professions and of men prominent in legal and political life, who cheered and sang themselves hoarse in honor of popular "Tom" Galvin. It was an ovation from start to finish of which any man should feel proud, dominated and permeated through and through by sincerity of the most pronounced type.

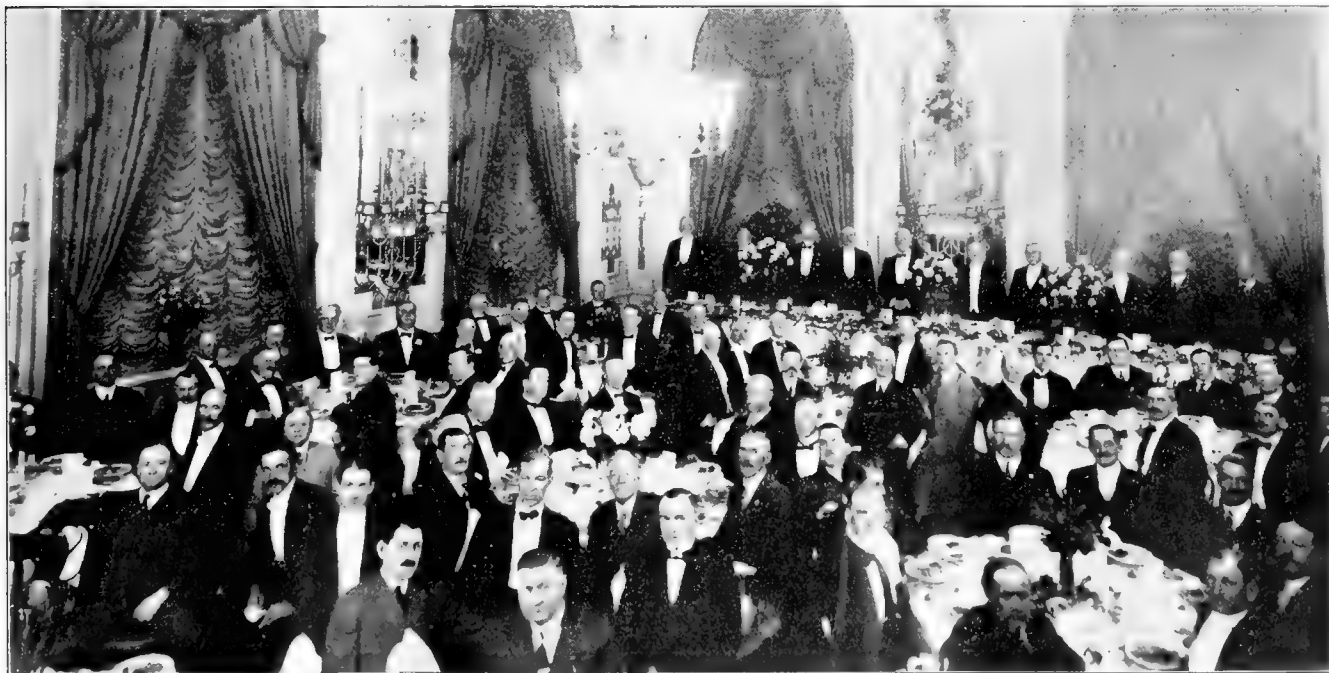
Patrick Welch presided and Judge C. W. Hoitt of Nashua, N. H., once more proved himself a shining light in



THOMAS F. GALVIN

the role of toastmaster. Among the speakers were J. K. M. L. Farquhar, Hon. Jos. Conry, Park Chairman John H. Dillon, Henry Penn, District Attorney Pelletier, Jackson Dawson, Hon. Joseph H. O'Neill, W. E. Doyle, Col. W. W. Castle, F. R. Pierson of Tarrytown, N. Y., and Wm. J. Stewart. A beautiful diamond ring was presented to Mr. Galvin, the presentation speech being made by Mr. Pelletier in most eloquent phrases and the recipient responding in words of grateful appreciation. It was certainly a red letter night for the participants, a success which will be long remembered and there surely was no happier man in Boston that night than Thomas F. Galvin. May he continue for many years more to adorn the business in the upbuilding of which he has taken so influential a part for half a century.

The committee which carried out this very successful affair was composed of William H. Elliott, Henry M. Robinson, Alexander Montgomery, Patrick Welch, Wm. R. Nicholson, Jas. B. Shea, Patrick J. Donahoe, Wm. J. Kernan, Thomas Roland, treas., John McFarland, chairman.



THE GALVIN DINNER AT THE COPLEY-PLAZA.

ROOT ROT OF THE IRIS.

Though the rhizomatous irises are the healthiest of all flowers yet sometimes there will be a complaint. *Now for the cause.* It is hard for people to realize that the irises are not water plants. The vast host of the Germanic must have dry feet. Often people make the mistake of putting them in wet ground. While they rejoice in the sun and the heat and often of their own accord lift themselves out of the

ground to bask in the light and warmth, they do not like the shade.

It has been demonstrated that in all our semiarid regions where the moisture is light a region embracing a fourth of our country—these flowers flourish where other flowers cannot live. This is a boon for our vast desolations. We have had in this region fearful and very prolonged drouths, but never lost a plant of them.

C. S. HARRISON

Schenectady, N. Y. — Leon Varney and George Matthews have taken over the James E. Felthousen greenhouses in Van Vranken avenue and will continue the business, Mr. Matthews having had a large experience in the business. Mr. Felthousen was one of the pioneer florists of this city, having been engaged in the business for about forty years.

OCTOBER FLOWER SHOW AT SAN FRANCISCO.

Preparations are being made for the Grand National Flower Show to be held October 1 to 15 inclusive at the Palace of Horticulture, Exposition grounds, San Francisco, under the auspices of the Pacific Coast Horticultural Society in conjunction with the Chrysanthemum Society of America and the Department of Horticulture of the Panama-Pacific International Exposition. H. Plath is manager of the show, John R. Fotheringham, assistant manager, and T. Taylor, secretary. All entries must be sent to Mr. Plath, 210 Lawrence avenue, San Francisco. This will be one of the most elaborate shows ever undertaken here, and it promises to be a big success both from the standpoint of exhibits and interest taken by the trade and the public. The program provides for entries in 112 numbers. Many valuable premiums are offered, including many medals and cash prizes given by the Exposition company, and a number of special prizes donated by societies and individual firms. While principal emphasis is placed on chrysanthemums, provision is also made for comprehensive exhibits of carnations, roses, lilies, herbaceous perennials, annuals, dahlias, tuberous begonias, together with a large variety of plants and many special features, such as table decoration, floral designs, baskets, bouquets, etc. The exhibition committee is composed of Daniel MacRorie, T. Taylor, F. Pelicano, E. James, Angelo J. Rossi, D. Raymond, W. A. Hofinghoff, Donald McLaren, Wm. Kettlewell, Wm. Munro, John R. Fotheringham, P. Ellings and M. Poss.

PITTSBURGH NOTES.

Accompanied by his family, O. J. Parker of Scobie & Parker, will leave on Monday next for Prout's Neck, Maine, where he has taken a cottage for the summer.

Benjamin L. Elliott, president of the John Bader Co., with Mrs. Elliott and daughter will be among the party of Knights Templar, leaving on Monday for the Panama-Pacific Exposition.

Superintendent James Moore began work on his scroll designs in the North Side Parks last Tuesday. He is carrying out this work with echeverias and alternanthera.

A. C. Gooding is manager of a retail department recently opened in The Diamond by the John Bader Company.

The Ludwig Floral Company, has just received a consignment of interesting souvenirs which they are distributing to their customers and friends. The souvenirs come in a small oval-shaped mirror the reverse side being a hand-colored photograph of their greenhouses at West View.

ST. LOUIS NOTES.

William Winter, a Kirkwood florist, has opened a plant and cut flower stand in the new building at Laclede and Vandeventer avenue, known as the Market Gardeners' Building.

Francis McCall, who at one time was interested with his son and James Dunford in the old St. Louis Carnation Co. at Clayton, died last week at Eureka Springs, Ark. The funeral took place here on Saturday, May 29th.

JOHN YOUNG TAKES A PARTNER.



JOHN YOUNG.



GEORGE HILDENBRAND.

We have often marvelled at the tremendous amount of detail work which John Young, as secretary of the S. A. F. and of the N. Y. Florists' Club, manager of National Flower Show and, lastly, wholesale florist, manages to accomplish. Next to a man's own qualifications and energy under such circumstances, comes a faithful lieutenant. That, Mr. Young has had in George Hildenbrand and it is a recognition fully merited and wisely bestowed when Mr. Young takes his well-tryed employee into partnership, as announced in his advertisement in this paper. Mr. Hildenbrand has a record of twenty years in the wholesale flower trade, practically all of that

time with Thomas Young, Jr., and John Young. He is well known in the trade as a man "always on the job," courteous and considerate with everyone. Mr. Young has, since his re-entry into the wholesale trade, built up a fine business, and the new firm starts with an enviable list of regular consignments from growers of national reputation, such as cattleyas and gardenias from the noted Beechwood Heights Nurseries, Bound Brook, N. J., lily of the valley from W. H. Siebrecht, roses of the finer varieties and novelties from S. J. Reuter & Son and A. N. Pierson, Inc. These are only a few of the prominent names we have noticed on the product coming into John Young's.

NEW YORK NOTES.

B. H. Farr will be the lecturer at the next Florists' Club meeting, June 14. Peonies, of course.

Chas. H. Totty has returned from California enthusiastic about horticulture in that State and the hospitality of the California florists. He says it will be a big mistake if any florist lets the opportunity slip by of seeing this wonderful State, and what it is doing. It has been a great treat to him and a revelation in many ways.

Loyalty to the Brooklyn baseball team and the dramatic circumstances that surrounded Zach Wheat's home run drive over the fence in the ninth inning of last Tuesday's game, proved fatal for Chauncey Martin, a florist of Brooklyn. He dropped dead of heart failure while cheering the prowess of the Robin's left fielder.

We were satisfied with the results from the HORTICULTURE ad. and may be able to give you some further business in the future.

Sincerely yours,

National Floral Corporation.

By Hugo Mock, Pres.

NEW FLOWER STORES.

Shenandoah, Pa.—Austin F. Canfield.

Fairmont, W. Va.—George Stanley Wehrley.

Providence, R. I.—J. Baraducci, 148 Atwell avenue.

Brooklyn, N. Y.—Rose Flower Shop, 21 Glenada Place.

Ashtabula, O.—Harbor Floral Co., 197 Bridge street.

St. Louis, Mo.—Wm. Winter, Market Gardeners' Building.

Gloversville, N. Y.—Peck Floral Co., 59 North Main street.

Sturgeon Bay, Wis.—Mrs. Arnold Wagener, Pescher Bldg.

Grand Rapids, Mich.—Albert Natte, 414 Leonard street N. W.

Gloverstown, N. Y.—Peck Floral Company, North Main street.

Easton, Pa.—Joseph Morrison, Stilgenbauer Bldg., 6th and Walnut Sts.

Nashua, N. H.—F. D. Sperry, Concord street, succeeding Aug. Gaedeke & Co.

Grand Rapids, Mich.—Arthur F. Crabb, 69 S. Division avenue, succeeding Wm. Cunningham.

HORTICULTURE INDISPENSABLE

The following examples of many approving letters received at the office of HORTICULTURE during the past few weeks, show why HORTICULTURE is so valuable as an advertising medium. Intensive circulation is HORTICULTURE'S best quality and practically every reader is a possible customer for the advertiser.

Gentlemen:—Last week's HORTICULTURE is not received. Have you scratched me off your list, or what is the matter? Appreciate your paper more than any of half a dozen I am receiving, and don't want to miss any copies. Will you please investigate?

Yours truly,
Missouri. A. B. K.

Gentlemen:—It is getting late in the season and we wish to discontinue the advertisements which we carry in your paper. We would say that the advertisements which we have carried in your paper have brought us good results, and we feel that the money so expended was well invested.

Yours truly,
Standard Thermo Company,
S. C. LORD, President.

Kindly discontinue my advertisement in the classified advertisement section of HORTICULTURE, rendering bill to date.

Yours is a very good advertising medium. We have rid ourselves of practically all our surplus stock, and are therefore obliged to discontinue.

Very truly yours,
Mass. A.

"HORTICULTURE is grand. Keep it up."
San Jose, Cal. B.

Editor Horticulture:

Dear Sir — Enclosed please find \$1.00, my subscription to your valuable paper for another year. Cannot do without it.
Conn. O. A. H.

Dear Horticulture:

We can't keep house without you, and you can't travel without money, therefore I enclose money order to keep you coming for 1915.

Yours admirably,
Iowa. E. S.

Here is my dollar for the 1915 trip with HORTICULTURE. HORTICULTURE is all right.
New York. P. F.

Enclosed is post office order to pay for HORTICULTURE two years more. I like HORTICULTURE very much and hope to read it many more years.

S. F.
N. Y.

One of the many good features of HORTICULTURE is, that those who contribute to its columns always "say something" when they write. I take this opportunity to offer sincere congratulations. "May your shadow never grow less."

Sincerely yours,
New York. P. F.

Editor HORTICULTURE:

Dear Sir:—I have been a subscriber to HORTICULTURE only about five weeks. I find in HORTICULTURE a paper of much importance. I hope to be a reader of it for the long future.

Mass. A. B.

"HORTICULTURE is the finest paper under the sun."
New Jersey. A.

Editor HORTICULTURE:

Dear Sir: — I have always been deeply interested in the letters of contributors in your paper, and find them very helpful.

Respectfully,
N. Y. C. C.

Dear Sirs — Enclosed please find one dollar for another year of the HORTICULTURE. My time is not up yet, but it won't be long. All I can say about your paper is that it is the best of its kind, and I read them all.

R. I. J. B.

Enclosed are two dollars in payment for your very valuable paper. I find its contents timely and instructive.

Sincerely,
Conn. C. S.

Gentlemen: — My paper did not arrive as usual on Saturday. It is all I have to look forward to each week; do not allow that to fail me. Kindly send one along at express rate.

Yours truly,
N. J. G. W.

Gentlemen:—Will you please discontinue my classified gladioli advertisement now running in your paper? I am sold out of nearly all varieties, especially those called for by your readers, and hope to have as good success with you next year.

Yours truly,
Mass. R. W. S.

When Writing to Advertisers Please Mention
Horticulture

SEED TRADE

AMERICAN SEED TRADE ASSOCIATION

Officers—President, Lester L. Moore, San Francisco, Calif.; First Vice-President, J. M. Lupton, Mattituck, L. I.; Second Vice-President, F. C. Dungan, Philadelphia, Pa.; Secretary and Treasurer, C. E. Kendel, Cleveland, O.; Assistant Secretary, S. L. Willard, Jr., Cleveland, O.

Damage by Frost

The recent frost covering the greater portion of New York have done considerable damage to such fruit and all tender vegetation. So far as we are able to ascertain, very little damage has done to beans planted for seed purposes for the reason that only a small percentage of seed beans had been planted but the beans planted by market gardeners were practically all destroyed, and it is an interesting question to know where they will secure seed for replanting, particularly of the wax pod varieties. We believe that the market is practically bare of wax bean seed, though certain varieties of the green pod sorts are still procurable in limited quantities. The full extent of the damage has probably not become fully known excepting to those directly interested, and the requirements for replanting have not developed. We are advised that the frosts extended into Michigan and Wisconsin, causing considerable damage in both of those states. While we have no information from Canada, there is no doubt that such parts as are adjacent to New York State and Michigan have suffered in the same proportion. There are reports of a shortage in tomato plants. The large packers of tomatoes had got almost their entire acreage planted out, and not anticipating such a clean sweep as the past week has made, they did not have a sufficient reserve of plants to take the places of those destroyed.

Michigan Peas and Beans

A letter just received from Michigan informs us that owing to almost continuous rain, the planting of peas and beans has been very much retarded in that state excepting on the sandy soils, and that a considerable percentage of the peas, both for seed and canning purposes, are yet to be put into the ground. If this report is true, it means a serious situation for those who are growing seed peas and, in fact, for the canners as well, as it is well known that late planted peas seldom make good crops.

Convention Time.

The time is near at hand when seedsmen who contemplate attending the forthcoming convention in San Francisco must decide whether they are going or not. We are surprised to find so many still on the fence, and as the date for leaving Chicago has been set for June 12th, and so far as we know no change has been made, it behooves everyone who expects to attend the convention to reach a definite decision promptly. We are just advised that Louisville, Ky., has been decided upon as the next place for the convention of the National Cannery

Association and allied industries, and we advise that reservation at the hotel to be made promptly by those who expect to be in attendance.

The Late W. H. Grenell.

The recent death of W. H. Grenell at his home at Pierrepont Manor, N. Y., removes one of the veteran seed growers of this country. Mr. Grenell had been actively engaged in the growing of peas and beans for the trade for nearly forty years and had built up an extensive business. Though a quiet man, he had a most genial personality, and was always a welcome visitor or guest. He had many friends and few, if any, enemies. We are informed that he has provided in his will for the continuation of his business of growing peas and beans for the trade and for the canners, and that the present organization which has been assisting Mr. Grenell for several years past will



W. H. GRENELL

continue in control. Mr. Grenell had a most efficient private secretary who has been able to relieve him of all details and, as stated, the business will be continued under the same management. We understand that it is for the benefit of Mr. Grenell's grandson, and that when he reaches his majority he can decide whether he wishes to engage in the business or discontinue it.

It is generally well known that Mr. Grenell had a very fine estate at Pierrepont Manor, N. Y., and was a breeder of thoroughbred Holstein cattle, having one of the finest herds in the country. His wealth has been estimated at from \$250,000 to \$500,000. We understand most of his estate is to be left in trust for the benefit of his daughter, wife and grandson. Mr. Grenell's passing away just on the eve of the convention of the American Seed Trade Association will cast more or less of a damper over the occasion, but no doubt suitable resolutions of sympathy for his family will be passed and they will be very heartfelt, for most of Mr. Grenell's friends had a warm affection for him.

Value of horticultural imports at New York for week ending May 22, 1915, is given as follows: Manure-salt, \$24,270; fertilizer, \$1,518; clover seed, \$12,179; grass seed, \$2,403; tree and plants, \$7,041.

MICHELL'S SEEDS

FOR SOWING NOW

CINERARIA	1/2 Tr.	Tr.
	Pkt.	Pkt.
Dwarf Grand Prize.....	\$0.60	\$1.00
Medium Full Grand Prize.....	.60	1.00
James' Giant Strain.....	.60	1.00

PRIMULA CHINENSIS

Michell's Prize Mixture.....	\$0.60	\$1.00
Alba Magnifica.....	.60	1.00
Chiswick Red.....	.60	1.00
Puehess.....	.60	1.00
Holborn Blue.....	.60	1.00
Kermesina Splendens.....	.60	1.00
Rosy Morn.....	.60	1.00

PRIMULA OBOCONICA GIGANTEA

	Tr.	Pkt.
Lilacina.....	\$0.50	
Kermesina.....	.50	
Rosa.....	.50	
Alba.....	.50	
Hybrid Mixed.....	.50	

PRIMULA MALACOIDES

Lilac, Tr. pkt.....	\$0.50
Alba, White, Orig. pkt.....	.20
Rosa, Light rose to carnation rose, Orig. pkt.....	.15

Also all other Seasonable SEEDS, BULBS, PLANTS and SUPPLIES

LATEST WHOLESALE CATALOG, FREE FOR THE ASKING.

HENRY F. MICHELL CO.
518 Market St., Phila.

SAN FRANCISCO NOTES.

Joseph's force of decorators has been increased by the acquisition of L. J. Uzick, formerly with Albert O. Stein.

A display of cut flowers from the California section of the Horticulture Gardens at the Exposition attracted much attention the past week in the Palace of Horticulture.

The Hogue-Kellogg Co., seedsmen of Ventura, Cal., are sending out invitations to the trade to stop off at their place when in California to attend the convention in San Francisco on June 22d.

A bill has been enacted by the California legislature establishing a standard for California certified seed potatoes and preventing the sale of other potatoes as California certified seed potatoes. This measure make violations misdemeanors.

Effort is being made by certain members of the Pacific Coast Horticultural Society to renew interest in bowling. The team has been reorganized with H. Podesta as chairman, and the first meeting for practice a few nights ago was largely and enthusiastically attended.

SEEDS FOR PRESENT PLANTING
BEGONIAS, ANTIFHEMUM
STOCKS, LOBELIAS,
VERBENAS, ETC.

THOS. J. GREY CO.
32 So. Market St., Boston.

CABBAGE & TOMATO PLANTS

(Leading varieties), 30c. per 100 by Parcel Post; by Express 75c. per 500; \$1.00 per 1000; 10,000 and over 85c. per 1000; 100,000 at 75c. per 1000.

R. VINCENT, Jr., & SONS CO.
WHITE MARSH, MD.

BEGONIAS

FARQUHAR'S TUBEROUS ROOTED

The great value of Tuberous Rooted Begonias for Lawn Beds and Borders is appreciated owing to the continuous production of large and gorgeous flowers.

Single and double varieties in the following colors:—Crimson, Scarlet, Pink, White, Orange and yellow.

Write for Prices

R. & J. FARQUHAR & CO.
6 SOUTH MARKET ST., BOSTON, MASS.

J. BOLGIANO & SON
WHOLESALE FIELD AND GARDEN SEEDS

Established 1818

Write For Our Low Prices

LIGHT, PRATT and ELLICOTT STS.
BALTIMORE, MD.

J. W. Edmundson, Mgr. M. W. Williams, Sec'y
California Seed Growers Association, Inc.
Growers For Wholesale Dealers
SAN JOSE CALIFORNIA

HARDY LILIES for IMMEDIATE SHIPMENT
From Cold Storage Warehouse

	Size	per case	Price
Speciosum Rubrum.	8-9	225	\$12.50
"	9-11	125	12.50
"	11-13	100	12.50
Multiflorum	6-8	400	15.00

Send for complete catalogue on all bedding plants.

ROMAN J. IRWIN, 108 West 28th St.
NEW YORK

W. E. MARSHALL & CO.
SEED, PLANTS AND BULBS
Horticultural Sundries

166 W. 23rd St., NEW YORK

Burpee's Seeds
PHILADELPHIA

BLUE LIST OF WHOLESALE PRICES
MAILED ONLY TO THOSE WHO PLANT
FOR PROFIT.

BURNETT BROTHERS
Importers and Growers of
SEEDS, BULBS, PLANTS, &c.
98 Chambers Street, New York

"SEEDS WITH A LINEAGE"

Seeds with a generation of finest flowers and vegetables back of them—carefully selected—really tested.

Write today for Catalog.

CARTER'S TESTED SEEDS, Inc.
166 Chamber of Commerce Bldg.
Boston, Mass.

QUALITY SEED BULBS PLANTS
SEND FOR CATALOGUE
ARTHUR T. BODDINGTON
349 West 14th St., New York.

Carry Out Your Plans With THORBURN'S SEEDS

Whatever your plans are for autumn flowers or plants, we have some appropriate seed which will give its support to your ideas.

Our stocks of seeds are so complete, and varied, that we call it a rainbow-range of color.

You would like to get our catalog. Write

J. M. THORBURN & CO.
53 Barclay St through to 54 Park Place
NEW YORK.

Seedsmen requiring the very best selections of

Garden Seeds

(VEGETABLE AND FLOWER), especially

Kelway's Celebrated English Strains

can get them at lowest independent wholesale rates by sending their orders direct to

KELWAY & SON

Wholesale Seed Growers

LANGPORT, SOMERSET, ENGLAND

Special quotations on application

S. S. SKIDELSKY & CO.
BULBS, PLANTS and SEEDS

1218 Betz Bldg., Philadelphia

Catalogue on application

NEW PRICE LIST
Of My Celebrated Winter-Flowering
ORCHID SWEET PEAS
will be out in June. If you are not on our mailing book, send your name and proposal.

ANT. C. ZVOLANEK
Sweet Pea Ranch, LOMPOC, CALIF.

Place your order now for Ayres' Winter Flowering

SWEET PEA SEED

S. BRYSON AYRES CO.

"Renowned Sweet Pea Specialists"

SUNNYSLOPE, INDEPENDENCE, MO.

NEW CROP SEEDS FOR FLOEBISTS

Ask for 1915 Catalogues

Joseph Breck & Sons Corp.

Seedsmen

47-54 No. Market St., BOSTON, MASS.

It is our BUSINESS to supply you with

SUPERIOR GLADIOLI

JOHN LEWIS CHILDS
FLOWERFIELD, L. I., N. Y.

**When Writing to Advertisers Kindly
Mention HORTICULTURE**

ALEX. McCONNELL611 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transmitted or interpreted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Center of Cabling Foreign Florists
Must be prepaid

Reference or cash must accompany all orders from unknown correspondents.
Cable Address, ALEXCONNELL.

G. E. M. STUMPP

761 Fifth Ave.

NEW YORK CITY

Member Florists' Telegraph Delivery Asso.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or Telegraph

2139-2141 Broadway, - New York

Telephone 1662-1663 Columbus

Established 1874

DARDS

FLORIST

N. E. Cor. 44th St. & Madison Avenue, N. Y. City

Member Florists' Telegraph Delivery Asso.

Flowers shipped to all parts of the world. Special Correspondence in all the most important European and the British Colonies. Telegraph and Cable Address: Dardsflor.

Myer**NEW YORK**

609-611 Madison Ave.

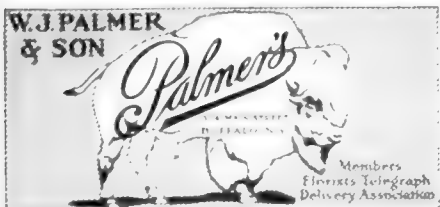
Choice cut flowers and designs for all occasions. Steamer and theatre flowers a specialty.

Member Florists Tel. Delivery. Wire Me Your Orders

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

W.J. PALMER & SON

Members
Florists Telegraph
Delivery Association

S. A. ANDERSON

440 Main St., Buffalo, N. Y.

ANDERSON service means fresh, sturdy stock, and prompt deliveries in BUFFALO, LOCKPORT, NIAGARA FALLS and WESTERN NEW YORK.

Members of Florists' Telegraph Delivery.

ROBERT J. DYSART

PUBLIC ACCOUNTANT AND AUDITOR

Simple methods of correct accounting especially adapted for florists' use.

BOOKS BALANCED AND ADJUSTED

Merchants Bank Building

40 STATE ST. - - - BOSTON

Telephone Main 64

Of Interest to Retail Florists**THE MOTOR TRUCK FOR THE FLORISTS.**

That the great bulk of the hauling and delivery work of the country, will in the near future be done by motor trucks, is an assumption that is justified by the rapid increase in the use of this type of vehicle during the past few years. Just as surely as steam boats have replaced sail boats, and as extensively as wires have replaced men as carriers of messages, so will the motor truck supplant the horse in the field of hauling and delivery. The eternal movement toward better things, includes the use of motor vehicles, and they will be regarded as somewhat "antique" whose equipment does not include as an evidence of progress this modern system of delivery.

Our particular interest on this occasion, however, centers on the application of this type of vehicle to the florists. Representative florists of Philadelphia are making applications of motor trucks to their delivery, and are thus not only solving delivery problems, but are also opening the way to new business. One florist has been for four years a user of motor trucks. He takes care of the varied needs of a general delivery of all kinds of flowers, plants, ferns, etc., for a variety of functions. The body of the machine has been built with a special regard to the service it must render. It is built high for plants, ferns, etc., so that they will not be crushed in transit. The fore door construction, which is built in and closed, protects the driver from the elements, and makes it possible for the decorator to go along on trips to places where his services may be needed.

The truck has been a big factor in developing a lucrative line of decorating work at distant points in the suburbs. The flowers and plants can be packed into the wagon, and the decorator goes along. It is possible to make a twenty mile journey in a comparatively short time, and the work can readily be handled.

In one respect the delivery of flowers presents a different problem from almost any other field where the truck is used. Weight is almost entirely absent from the calculation. Yet the motor truck is becoming the vehicle preferred for the florist, and it is not uncommon to see a vehicle of three thousand pounds capacity making a trip with ten pounds of blooms. Speed and capacity are vital considerations. A prominent florist puts some of the more important arguments for the motor truck in the florist's business in the following words:

"We have to be ready for a rush at all times. There is no fixed demand in our line, no schedule of business as in the case of so many staples. A man has to have food every day, but he needs flowers only on certain occasions. A wedding, a banquet, a funeral, or several of them taking place in one day, can put a most severe

JOHN BREITMEYER'S SONSCor. Broadway and Gratiot Aves.
DETROIT, MICH.**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good sections of Ohio, Indiana and Canada.
Members Florists' Telegraph Delivery Association.

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ALBANY, N. Y.

FLOWER DELIVERIES FOR ALBANY AND VICINITY

Members Florists' Telegraph Delivery

Danker**Albany, N. Y.**Not How Cheap
But How Good.

Capital of the Empire State

Member F. T. D. A.

**WASHINGTON,
D. C.****GUDE'S**Member Florists
Telegraph
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The Park Floral Co.

J. A. VALENTINE, Pres.

Member Florists' Telegraph Delivery.

DENVER, COLORADO**Rochester, N. Y.****J. B. KELLER SONS,
FLORISTS**

25 Clinton Avenue, N.

Rochester Phone 306. Long Dist. Bell Phone 2780

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"THE HOME OF FLOWERS"

The largest cut flower store in America
Orders for the TWIN CITIES and for all
Northwestern points given prompt attention.

**HOLM & OLSON, Incorporated
ST. PAUL, MINN.****RANDALL'S FLOWER SHOP**

HARRY I. RANDALL, Proprietor.

Phone: Park 94

3 PLEASANT ST., WORCESTER, MASS.

Member Florists Telegraph Delivery Association

CHICAGO Send Your Orders to WILLIAM J. SMYTH

Member Florists' Telegraph
Delivery Association

Michigan Ave. at 31st Street

Prompt Auto Delivery
Service

CHICAGO And Neighboring Towns

Are Thoroughly Covered by

SCHILLER, THE FLORIST

(Member Florists' Telegraph Delivery).

Flowergram or Mail Orders from florists
anywhere carefully filled and delivered
under the supervision of

GEORGE ASMUS, Mgr.

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Vanderbilt Hotel
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Deliveries to Steamers and all Eastern Ports

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Will take good care of your orders

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Auto delivery of Designs and Flowers to
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Stock and Work First Class

F. R. PIERSON CO.

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PLANTSMEN

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Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

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NOTICE INITIALS. We have one store only

Flowers by Telegraph

Leading Retail Florists Listed by
Towns for Ready Reference. Orders
transferred by telegram or otherwise
to any of the firms whose address is
here given will be promptly and prop-
erly filled and delivered.

Albany, N. Y.—Danker.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl
St.

Albany, N. Y.—The Rosery, 23 Steuben
St.

Boston—Thos. F. Galvin, 1 Park St

Boston—Penn, the Florist, 37-43 Brom-
field St.

Buffalo, N. Y.—S. A. Anderson, 440 Main
St.

Buffalo, N. Y.—Palmer's, 304 Main St.

Chicago, Ill.—Schiller the Florist, George
Asmus, Mgr.

Chicago—William J. Smyth, Michigan
Ave. and 31st St.

Cleveland, O.—J. M. Gasser Co., Euclid
Ave.

Cleveland, Ohio—Adam Graham & Sons,
5523 Euclid Ave.

Denver, Col.—Park Floral Co., 1643
Broadway.

Detroit, Mich.—J. Breitmeyer's Sons,
corner Broadway and Gratiot Ave.

Houston, Tex.—Kerr, The Florist.

Kansas City, Mo.—Samuel Murray, 1017
Grand Ave.

New London, Conn.—Reuter's.

New York—David Clarke's Sons, 2139-
2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—Young & Nugent, 42 W. 28th.

New York—Dards, N. E. corner 44th St.
and Madison Ave.

New York—Max Schling, 22 W. 59th St.

New York—G. E. M. Stumpp, 761 Fifth
Ave.

New York—Thos. F. Galvin, Fifth Ave.,
at 46th St.

New York—Myer, 609-611 Madison Ave.

New York—A. T. Bunyard, 413 Madison
Ave.

New York—National Floral Corporation,
220 Broadway.

Norwich, Conn.—Reuter's.

Omaha, Neb.—Hess & Swoboda, 1415
Farnum St.

Rochester, N. Y.—J. B. Keller Sons, 25
Clinton Ave., N.

St. Louis, Mo.—Fred C. Weber, 4326-28
Olive St.

St. Paul, Minn.—Holm & Olson, Inc.

Tarrytown-on-Hudson, N. Y.—F. R. Pier-
son Co.

Toronto, Can.—J. H. Dunlop, 96 Yonge
St.

Washington, D. C.—Gude Bros., 1214 F
St.

Washington, D. C.—F. H. Kramer, 915
F St., N. W.

Westerly, R. I.—Reuter's.

Worcester, Mass.—Randall's Flower Shop,
3 Pleasant St.

NEWS NOTES.

Norwich, Ct.—Louis Rankin has pur-
chased the greenhouse business of
Wm. B. Foster.

Fayville, Mass. W. J. Seddon has
gone out of business because of poor
health, and has moved to Southboro,
Mass.

Worcester, Mass.—Next to Easter
and Christmas, Memorial Day is the
biggest day on the Worcester florists'
calendar. The popular demand is for
such flowers as candytuft, ten-weeks-
stock and feverfew. Memorial Day
brought also a great demand for pot
plants such as spireas, hydrangeas
and pansies.



"The Telegraph Florist"

Member of Florists' Telegraph Delivery

37-43 Bromfield St., Boston, Mass.

ORDERS FOR

NEW YORK

WIRE OR PHONE TO

MAX SCHLING

22 West 59th Street, adjoining Plaza Hotel

Best Florists in the States as References

EUROPEAN ORDERS EXECUTED

Members of the Florists' Telegraph
Delivery.

REUTER'S Members Florists Telegraph Delivery

STORES IN

New London and Norwich, Conn.
and Westerly, R. I.

We cover the territory between

New Haven and Providence

HESS & SWOBODA FLORISTS

Telephones 1591 and L 1553

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THE J. M. GASSER COMPANY,

CLEVELAND

Euclid Avenue

Kerr ORDERS FOR TEXAS

The Florist HOUSTON, TEXAS

Member F. T. D. Association.

The Far-Famed Flowers of TORONTO

Delivered on mail or telegram order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP

96 Yonge St., - - TORONTO, ONT.

Partnership Announcement

MR. JOHN YOUNG wishes to notify the trade in general that MR. GEORGE HILDENBRAND, who has been associated with him for many years as sales manager, becomes a member of this firm on and after June 1, 1915.

Hoping for a continuance of your patronage, may we remain

Yours very truly,

JOHN YOUNG & CO.

53 West 28th Street, New York

Telephone 7362 Madison Square

NEWS ITEMS FROM EVERYWHERE

BOSTON.

J. Fred Dawson has returned from a trip to the West Indies.

Martin Tuohy's new store on the corner of Summer and Devonshire streets seems to meet with much success.

Ladies Night will be celebrated by the Gardeners' & Florists' Club of Boston at Horticultural Hall on the evening of Tuesday, June 15.

Thomas Roland is cutting from a ton to a ton and a half of ripe tomatoes from his big greenhouse at Revere and will so continue for several weeks.

The 12th Annual Exhibition of the American Peony Society, which will be held at Horticultural Hall on June 12 and 13, in connection with the Peony Exhibition of the Mass. Horticultural Society is expected to bring out a record display of blooms.

The lid was pressed down tightly on business in Malden on Memorial Sunday. Police Commissioner Fred A. Rhoades sent out word by his officers that no business house, outside of drug stores, could supply customers. It is the first time in years that the police have enforced Sunday closing. The florists were especially disturbed and embarrassed because they were not permitted to care for the Memorial Day business that was pressing upon them, and in every flower store in the city was posted a sign that read: "The police are starting to enforce the law, but we will open tonight at the stroke of midnight."

The Massachusetts Horticultural Society's field meetings at the Arnold Arboretum will be continued every Thursday afternoon through the month of June. These meetings, conducted by Professor Jack, of the Arboretum staff, are proving very successful and are affording unusual opportunities for becoming acquainted with the great variety of flowering trees and shrubs suitable for cultivation in the vicinity of Boston. Just now the azaleas, rhododendrons, barberries, mock or-

anges and the later flowering lilacs are especially prominent, to be followed in the next few weeks by roses, hawthorns and the coniferous trees.

PHILADELPHIA.

Arthur Herrington, of Madison, N. J., gave a lecture at the home of Mrs. J. Hampler Barnes, Devon, under the auspices of the Garden Club, May 21. His subject was "Flowering Trees and Shrubs."

"The Vase Shop" is the latest wrinkle of the ever fertile and artistic H. H. Battles. It is situated just below his Century Flower Shop, which, as is well known, adjoins the original and present headquarters. The vases and other floral accessories in the new departure are quite out of the common. Oriental, European, American—wherever a good thing could be found—Mr. Battles would add it to his collection of rare gems and antiques. Twenty years travel in many parts of the world have gone into his ceramic education along with his floral experience and now comes the ripe fruit. Worth looking over.

Masses of white, pink and crimson peony blooms spice the air with fragrance and vie for favor with varicolored roses at the annual rose and peony show which opened at Dreer's, on June 2. The show continues two days. Perhaps the most remarkable of the new peonies is the Chrysanthemiflora Rosea a huge chrysanthemum-like bloom of the most beautiful rose pink. If the American Beauty is the Queen of roses then the Felix Crousse should be the King of Peonies.

Rayon D'Or, perhaps the most noteworthy rose of the year, is the sensation of the show. It is of the Perpetiana type, a clear golden yellow. Large crowds of enthusiastic visitors thronged the store during the continuance of the show.

CHICAGO.

The wholesale and retail stores kept open all day Sunday, May 30. The cessation of the rain and a glimpse of sunshine put more life into local trade than had been seen for many days.

The Chicago Flower Growers' Association made the record of its existence during the month of May. Paul Kling-sporn, its manager, is naturally pleased to see the books show such a desirable balance.

The question this week has been, not how many shipping orders did one have, but what proportion could one fill. Orders came in early and continued coming till the last. Many houses were shipping on the 30th.

Beauty and utility are combined at the City House of Correction, where the grounds are kept in a most attractive manner. The latest addition is to be two iron-frame greenhouses, built by the Foley Manufacturing Co.

Guy French, who with Richard Salm recently secured 75,000 square feet of glass at Union Grove, Wis., and started into business as growers of the Mrs. Russell rose, says he is convinced that they made no mistake in planting this rose so exclusively. Two months from the day the plants were benched they began cutting. The output is handled by the E. C. Amling Co.

The Foley Greenhouse Manufacturing Co. will build an addition to the range at the State University at Columbus, Ohio. During the past year, this company has furnished material for and in some cases did the building of houses for the State Universities of Iowa, Illinois, Indiana, and now has the second contract for Ohio, this time competing with six other firms.

At Poehlmann Bros. only a fraction of the orders could be filled. When their immense trucks would arrive from the greenhouses it would appear that the flowers they held would be

"HERE COMES THE BRIDE"

and she can't get along without the florist. For a **really successful wedding** the Florist is almost as essential as the Groom. So June should be your **Busy Month**.

FOR THE JUNE WEDDING

we have **Lace Bridal Holders, Wedding Cords, Wedding Posts, Wedding Gates, Kneeling Stools, Gauze Chiffons** for Shower Bouquets; **Bridal Scarfs, Resting Baskets, Shepherd's Crooks, Directoire Staffs.**

FOR GRADUATIONS

Hi-Art Decorative Commencement Baskets and all other accessories. Stock up now and have the goods to show customers. Send for prices and you will be astonished to see how much you can do with a little money when you go straight to headquarters

THE FLORISTS' SUPPLY HOUSE OF AMERICA

H. BAYERSDORFER & CO.

1129 Arch Street, PHILADELPHIA, PA.

sufficient for anything, but they were as nothing to the deluge of orders from all over the country. From New Orleans on the south to Winnipeg on the north the orders kept coming. On the 31st there were still thirty-five on the books just before noon.

W. J. Keimel, of Wendland & Keimel, Elmhurst, Ill., has great faith in Milady rose for commercial purposes. One of its best characteristics is its uniformity of size. At a recent occasion where there were many large designs, there was one in which 500 Milady were used, and so alike in size and form that they were thought by many to be artificial. Wendland & Keimel are said to be the largest growers of Milady in this country. They cut every day in the year and their present average is 2,000 per day.

The large cemeteries were visited on Sunday, May 30, by thousands of people. The lack of cut flowers was very marked, only an occasional bunch of peonies or a few roses and carnations being seen. Neither were plants much in evidence. Notices posted in the offices stated that work had been delayed by the rain, which is the key note to the entire situation. Pansy plants never looked better and immense quantities of them were used; in fact, pansy plants and potted hydrangeas furnished nearly all the color there was, but they were exquisite. Less geraniums and bedding stock in general were used than in many years. The plants that were set out a month ago during the prematurely warm weather had succumbed and been removed. The next two weeks will be busy ones for the cemetery employees.

WASHINGTON, D. C.

The Florists' Exchange as a corporation has been dissolved and Arthur A. Niessen appointed receiver without bond.

Gude Bros. Company furnished the 98 wreaths for the fire department for the decoration of the graves of deceased members of the department. The order was awarded the firm on competitive bidding.

Edward S. Schmid is planning to attend the annual convention, at Buffalo, of the Mystic Order of the Veiled Prophets, of which he is an officer. He hopes to take with him a number of the local florists, for a large number hold membership in the order. The party will be gone a week.

Considerable space in the newspapers is being given to the flowers which each morning find a place in Criminal Court No. 2 and which form the one bright spot there. Harry Payne, with Freeman's, is said to be responsible for this little attention, as he is serving as a juror in that court.

Fred H. Kramer and Mrs. Kramer were in New York during the recent maneuvers of the American war vessels. F. S. Good, manager of the F street store, was also in New York during the week, having accompanied Mrs. Good to that place preparatory to her leaving for a summer in Maine.

The complaints of the Platten Produce Company placed with the Interstate Commerce Commission against several railroads have been dismissed.

This company attacked the rates applying on Christmas trees between certain points and asked that more reasonable rates be put in force and the company granted reparation of overcharge on previous shipments. The Interstate Commerce Commission held that it was shown that the present rates were justified.

The announcement of the marriage of Charles E. Scarborough, a popular young salesman at the store of the Gude Bros. Company, on Thursday, to Miss Nellie Bly Clark, the daughter of a prominent druggist of Philadelphia, came as a great surprise to his many friends. They have not since had an opportunity to congratulate the young couple, for immediately following the ceremony Mr. and Mrs. Scarborough hurried to a train bound for Philadelphia, near which place they will spend a short honeymoon.

Fred H. Kramer has incorporated his business at 916 F street, 722 Ninth street, Center Market and the greenhouses at Anacostia, the capital stock being \$500,000 divided into shares of a par value of \$1 each. Stock to the amount of \$400,000 has been placed in reserve for future development of the business. The officers of the newly formed corporation are Fred H. Kramer, president; Irene Kramer, secretary-treasurer, and Miss Mertine Atwill, vice-president. The other members of the board of directors are G. M. Lawrence, Philip Lawrence, G. G. Holmes, L. R. Gilbert, Beatrice Moss, S. A. Stratton, May Stratton and Charles A. Stevens. Miss Atwill is the manager of the Ninth street branch.

For School Commencements and June Weddings

VALLEY CATTLEYS BEAUTIES

A Large Supply of PEONIES

Let Us Know Your Requirements
Our Quotations Will Interest You

THE LEO NIESSEN CO.

Wholesale Florists

N. W. Cor. 12th and Race Sts., PHILADELPHIA, PA.

READER!!

HELP

Us to Continue
Producing the

BEST TRADE PAPER

Just Mention HORTICULTURE
When Writing to Advertisers

THE BEST LETTERS

FOR
FLORIST'S
USE

R

THOSE
MADE
BY THE

Boston Florist Letter Co.

66 PEARL ST., BOSTON
N. F. McCarthy, Mgr.

Block Letters, \$2.00 per 100.
Script Letters, \$3.00 per 100.

Order direct or buy from your local
supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always
in Stock.

POEHLMANN BROS. CO.

Supply of Best Cut Flowers all the Year Around
72-74 EAST RANDOLPH ST., - - - CHICAGO.

If interested, send us your name and address for our weekly price list.

WELCH BROS. CO.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE
SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI June 1		CHICAGO June 1		BUFFALO June 2		PITTSBURG June 2	
Roses								
Am. Beauty, Special.....	20.00	to 25.00	15.00	to 35.00	20.00	to 25.00	25.00	to 30.00
" " Fancy and Extra.....	12.50	to 15.00	20.00	to 30.00	12.00	to 15.00	15.00	to 20.00
" " No. 1.....	8.00	to 10.00	10.00	to 20.00	6.00	to 10.00	8.00	to 12.00
Killarney, Richmond, Extra.....	5.00	to 8.00	6.00	to 10.00	5.00	to 7.00	8.00	to 10.00
" " Ordinary.....	2.00	to 4.00	2.00	to 5.00	2.00	to 4.00	3.00	to 6.00
Hillingdon, Ward, Sunburst, Extra.....	5.00	to 8.00	6.00	to 10.00	6.00	to 9.00	8.00	to 10.00
" " Ordinary.....	2.00	to 4.00	2.00	to 5.00	2.00	to 6.00	3.00	to 6.00
Maryland, Radiance, Taft, Extra.....	5.00	to 7.00	6.00	to 8.00	6.00	to 8.00	8.00	to 10.00
" " Ordinary.....	3.00	to 4.00	2.00	to 4.00	2.00	to 6.00	3.00	to 6.00
Russell, Hadley, Ophelia, Mock.....	3.00	to 12.00	6.00	to 20.00	5.00	to 10.00	8.00	to 12.00
Carnations, Fancy.....	2.00	to 3.00	3.00	to 4.00	3.00	to 4.00	4.00	to 4.00
" " Ordinary.....	1.00	to 2.00	2.00	to 2.00	2.00	to 3.00	2.00	to 3.00
Cattleyas.....	10.00	to 15.00	35.00	to 50.00	25.00	to 50.00	40.00	to 50.00
Lilies, Longiflorum.....	8.00	to 10.00	8.00	to 10.00	6.00	to 8.00	8.00	to 8.00
" " Rubrum.....	1.00	to 1.00	1.00	to 1.00	3.00	to 5.00	1.00	to 1.00
Lily of the Valley.....	3.00	to 4.00	1.00	to 4.00	1.00	to 4.00	1.00	to 4.00
Daisies.....	1.00	to 1.00	1.00	to 1.00	1.00	to 1.50	1.00	to 3.00
Stocks.....	2.00	to 2.00	2.00	to 3.00	2.00	to 3.00	1.00	to 4.00
Snapdragon.....	1.00	to 1.00	2.00	to 5.00	3.00	to 5.00	3.00	to 4.00
Iris.....	1.00	to 1.00	1.00	to 1.00	1.00	to 1.00	1.00	to 1.00
Peonies.....	2.00	to 6.00	4.00	to 8.00	1.00	to 1.00	1.00	to 1.00
Gladioli.....	2.00	to 2.00	1.00	to 5.00	4.00	to 6.00	4.00	to 6.00
Calendulas.....	1.00	to 1.00	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00
Sweet Peas.....	1.00	to 1.25	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50
Corn Flower.....	1.00	to 1.00	1.00	to 1.00	1.00	to 1.00	1.00	to 1.00
Gardenias.....	2.00	to 4.00	2.00	to 30.00	20.00	to 25.00	1.00	to 1.00
Adiantum.....	1.00	to 1.00	1.00	to 1.00	1.00	to 1.25	1.00	to 1.25
Smilax.....	15.00	to 20.00	15.00	to 18.00	15.00	to 15.00	15.00	to 20.00
Asparagus Plumosus, Strings (100).....	1.00	to 50.00	40.00	to 50.00	40.00	to 50.00	1.00	to 50.00
" " & Spreng. (100 bchs.).....	35.00	to 50.00	25.00	to 35.00	25.00	to 35.00	30.00	to 40.00



C. E. CRITCHELL

"The" Wholesale Florist of Cincinnati
32-34-36 East Third Street

Consignments Solicited. Complete stock of
Florists' Greens and Supplies.

Mention Horticulture when writing.

Wired Toothpicks

Manufactured by

W. J. COWEE, Berlin, N. Y.

10,000....\$1.75. 50,000....\$7.50. Sample free
For sale by dealers.

E. G. HILL CO.

Wholesale Florists

RICHMOND, IND.

Please mention Horticulture when writing.

WILLIAM F. KASTING Co.

Wholesale Florists

383-387 ELLICOTT ST. - - - BUFFALO, N. Y.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO

MANUFACTURERS

PHILADELPHIA, PA.

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Plantsmen and Florists

37 and 39 West 28th St., NEW YORK

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WHOLESALE FLORIST

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CHOICE BEAUTIES, ORCHIDS, VALLEY, ROSES
and all Seasonable Varieties of Cut Flowers

MICHIGAN CUT FLOWER

EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited


Hardy Fancy Fern Our Specialty

26 4 RANDOLPH ST., DETROIT, MICH.

Flower Market Reports

BOSTON Memorial Day business in Boston turned out to be a surprise, a pleasant one, especially for the growers. The cool weather preceding the holiday had a tendency to shorten up all kinds of flowers, keeping the supply well regulated. Everything went well in the markets, especially stocks, feverfew, spirea and carnations. Carnations sold easily at \$6.00 per 100. Looking at it from the side of the business in natural flowers, this holiday trade was the best in years. It would seem that the popularity of the artificial flower and prepared wreath is on the wane and undoubtedly reached the top wave two seasons ago. The reaction against the artificial flower is very evident in reviewing the business done. Two prominent retailers in town went in for the prepared wreaths heavily and did a fair volume of business, but not quite up to expectations, due no doubt to this reactionary tendency. All the stores carried some of these wreaths, but did not push them as much as in previous years, finding a greater demand for fresh, natural flowers. Since Monday there has been a slight downward movement in prices and, on some things, a little tendency towards a surplus, but no trouble is anticipated until seasonable warm weather takes hold. Carnations are, naturally, back again to normal values. Roses are unchanged. Beauties are not bringing the prices of former years. Peonies are plentiful but they are all from southern sources, the local crop being still in the small green bud. The feeling in the local markets is strongly optimistic as regards the immediate future.

CHICAGO A week of unusual conditions preceded Memorial Day. The entire month of May had been cold and wet and all kinds of stock had been kept back. The local buyers did not seem to have the necessary confidence in the reports of a shortage of stock to place their orders in advance, and the end of the week found everyone trying to buy in a market nearly cleaned up by outside orders. Not a wholesale house could take care of all the orders that poured into Chicago, and every house booked to its capacity days in advance. Orders from new customers were turned down and old customers had their orders cut in many cases. Shipping began by the middle of the week and kept steadily up the balance of the week, many near-by customers wiring repeat orders up to Monday noon. There was but one kind of stock which was not in demand and that was sweet peas. Only a moderate amount of these moved, probably because they perish quickly in the rain. Carnations were cut very close and many only partly open were seen. Roses of all kinds were used up to the last one. There was a special shortage reported on short Beauties. Local outdoor stock was offered in limited quantity, the snow balls and other flowers being kept back or destroyed by the four weeks' rain. Peonies helped out some, but as the crop is estimated as being only 50 per cent of its normal size this year, the prices held up and even then stock was soon exhausted. Quotations were as high



LILIES

A splendid lot for June decorations. Good, well grown flowers of long stems.

\$8.00 per 100; \$75.00 per 1000

VALLEY. \$3.00 and \$4.00 per 100.

GARDENIAS. Per doz. \$3.00.

CATTLEYAS. Per doz. \$6.00.

DENDROBIUM FORMOSUM.
Per doz. \$6.00.

S. S. Pennock-Meehan Co.

The Wholesale Florists of Philadelphia

PHILADELPHIA
1608-20 Ludlow St.

NEW YORK
117 West 28th St.

WASHINGTON
1216 H St., N.W.

BALTIMORE
Franklin & St. Paul Sts.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON June 3		ST. LOUIS June 1		PHILA. June 1	
Roses						
Am. Beauty, Special	12.00	to 15.00	20.00	to 35.00	20.00	to 25.00
" " Fancy and Extra	3.00	to 10.00	10.00	to 15.00	12.00	to 20.00
" " No. 1	4.00	to 6.00	5.00	to 8.00	5.00	to 10.00
Killarney, Richmond, Extra	4.00	to 6.00	4.00	to 6.00	6.00	to 8.00
" " Ordinary	1.00	to 3.00	1.00	to 2.00	1.00	to 4.00
Hillingdon, Ward, Sunburst, Extra	4.00	to 6.00	4.00	to 8.00	4.00	to 6.00
" " Ordinary	1.00	to 4.00	2.00	to 3.00	1.00	to 3.00
Maryland, Radiance, Taft, Extra	4.00	to 6.00	4.00	to 6.00	5.00	to 6.00
" " Ordinary	1.00	to 4.00	2.00	to 3.00	1.00	to 4.00
Russell, Hadley, Ophelia, Mock	2.00	to 6.00	5.00	to 10.00	3.00	to 12.00
Carnations, Fancy	2.00	to 3.00	1.00	to 2.00	2.00	to 3.00
" " Ordinary	1.50	to 2.00	.50	to .75	1.50	to 2.00
Cattleyas	30.00	to 40.00	35.00	to 40.00	25.00	to 35.00
Lilies, Longiflorum	6.00	to 8.00	6.00	to 8.00	5.00	to 6.00
" " Rubrum	.....	to 4.00	.....	to .....	.....	to
Lily of the Valley	1.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Daisies	.50	to 1.50	1.00	to 2.00	.50	to 1.00
Stocks	1.00	to 1.50	1.00	to 3.00	1.00	to 2.50
Snapdragon	2.00	to 4.00	2.00	to 3.00	2.00	to 4.00
Iris	1.00	to 2.00	.....	to .....	.....	to
Peonies	3.00	to 6.00	.....	to .....	.....	to
Gladioli	1.50	to 2.00	4.00	to 5.00	2.00	to 6.00
Calendulas	.....	to 1.00	.....	to 2.00	2.00	to 4.00
Sweet Peas	.25	to 1.00	.15	to .40	.50	to 1.50
Corn Flower	.50	to .75	.....	to .....	.75	to 1.00
Gardenias	10.00	to 15.00	1.00	to 2.00	10.00	to 20.00
Adiantum	.50	to 1.00	1.00	to 1.25	.....	to 1.00
Smilax	12.00	to 15.00	10.00	to 15.00	15.00	to 20.00
Asparagus Plumosus, Strings (100)	25.00	to 50.00	35.00	to 50.00	.....	to 50.00
" " & Spreng. (100 Bchs.)	25.00	to 35.00	15.00	to 20.00	25.00	to 35.00

as \$8.00 per 100. In carnations advance orders were booked for \$4.00 and \$5.00 per 100, but, later, prices ran up to \$7.00. A break in the market was anticipated by local retailers, based upon former experiences, but there was no stock held in reserve this year and prices, instead of going down, reached the top notch.

CINCINNATI

Memorial Day business was very good and fully came up to expectations. After the close of the business very little stock was left over and that consisted principally of lilies, choice roses and small lots of miscellaneous stock. This week promises to be a good one for the florists in this city for we have the commencement of all of the Cincinnati Public High Schools. Shipping business is good. Roses are in heavy supply and except

upon extraordinary occasions are easily able to take care of all needs. Lilies are plentiful and choice. Carnations, that is good ones, are not very plentiful. Gladioli have a pretty fair market. Cape jessamines are coming in much faster than the market can take them up. The cut of sweet peas is rather limited. The supply of greens is ample.

NEW BEDFORD

Memorial Day in New Bedford has been a record breaker for the florists. Cut flowers of every description were in demand and brought good prices. Wreaths, flower baskets and bouquets of every variety sold readily. White lilacs, spirea, deutzia and other flowers generally used in the cheaper bouquets were scarce. The large Portuguese

Continued on page 762

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Consignments Solicited

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WHOLESALE FLORISTS, 34 West 28th St., New York

Telephones { 1064 { Madison Square
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CONSIGNMENTS SOLICITED

NEW YORK QUOTATIONS PER 100. To Dealers Only**ROSES AND CARNATIONS**

	Last Half of Week ending May 29 1915		First Half of Week beginning May 31 1915	
American Beauty, Special	20.00	to 30.00	15.00	to 30.00
" " Fancy and Extra	12.00	to 15.00	4.00	to 12.00
" " No. 1	4.00	to 6.00	2.00	to 3.00
Killarney, Richmond, Extra	4.00	to 6.00	3.00	to 6.00
" " Ordinary	2.00	to 4.00	1.50	to 3.00
Hillingdon, Ward, Sunburst, Extra	4.00	to 6.00	3.00	to 6.00
" " Ordinary	2.00	to 4.00	1.50	to 3.00
Maryland, Radiance, Taft, Extra	4.00	to 6.00	2.00	to 6.00
" " Ordinary	2.00	to 4.00	1.50	to 2.00
Russell, Hadley, Ophelia, Mock	2.00	to 12.00	2.00	to 12.00
Carnations, Fancy	4.00	to 5.00	3.00	to 4.00
" " Ordinary	2.00	to 4.00	2.00	to 3.00

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Open 6 a. m. daily

"OLD AND RELIABLE," YET ALWAYS PROGRESSIVE

J. K. ALLEN

Has removed to a more spacious and modern equipped store at 118
West 28th Street. Every facility and convenience for the care and
sale of flowers. Growers Please Call and Inspect.

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Wholesale Florists

101 W. 28th St., NEW YORK

We have 20 years' experience behind us.
Telephone, Madison Square 896 and 897.



Flower Market Reports

(Continued from page 761)

population of the city appear to have adopted Memorial Day as one for religious and patriotic observances, and their inherent love for flowers, especially the brighter colored roses and carnations, has done much for the trade. The cemeteries were all made more beautiful for Memorial Day, but the Portuguese cemetery was like a tropical garden in color. No child was too young and no grandparent too old or too poor to add something to the riot of color displayed. Geraniums, more especially of the red varieties, seemed in all parts of the city, to be the most popular of the potted plants. There was a demand also for English daisies, forget-me-nots and pansies. Some few of the florists displayed and sold wreaths of metal and wax, but the taste of the public in general demanded better things, and those who sold them were unable to supply all that were called for.

It is a pleasure to be able to report that Memorial Day business in New York was all that could be desired—in fact, the best experienced for this occasion for several years. The cool dull weather made flowers somewhat scarce and also helped greatly in the matter of quality, which was excellent, as a rule. Carnations cleaned up very nicely. Roses and other staples found a good responsive market right along for several days at figures not greatly advanced but steady and unfluctuating on all grades. Peonies of ordinary grade brought from \$5 to \$6 per hundred, the better quality blooms selling all the way from \$8 to \$12 per hundred, according to size and finish. Cattleyas did not benefit much by the occasion. Mosses bring only \$10 or \$12 per hundred, while \$35 is top for gigas. Sweet peas are very plentiful, the Spencers selling for more than double the price of grandifloras. Callas have been moving lively at \$12 per hundred. Asparagus plumosa is very abundant with only an indifferent demand.

Memorial week turned out even better than most of the good prophets had expected. The cool, rainy weather held stock back—particularly peonies. Probably none of the wholesalers had enough of the latter to fill orders satisfactorily. Even some that were very tight in the bud went out at the last minute. A vast contrast to last year, when there was a hot spell and the market was overloaded. The demand was mostly for the light colors, but even reds were scarce, as the supply did not equal the small demand for these. Carnations were in extra good demand and prices were better than expected, good stock bringing from \$3.00 to \$6.00. The demand for roses was not so brisk, but still they sold fairly well. The weather was ideal for shipping and the usual aftermath of "kicks" from the retailers were absent—"glory be"—say the commission men.

Owing to prevailing weather conditions, Memorial Day was a keen disappointment to the more op-

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American Beauties, Orchids, Valley, Carnations. All the novelties in the Cut Flower Market furnished on short notice. Prices quoted on application. No retail orders accepted. Flowers shipped out of Boston on early trains.

STORE OPEN FOR BUSINESS AT 6 A. M.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending May 29 1915		First Half of Week beginning May 31 1915	
Cattleyas	10.00	to 35.00	10.00	to 35.00
Lilies, Longiflorum	6.00	to 8.00	6.00	to 8.00
Rubrum	3.00	to 4.00	2.00	to 4.00
Lily of the Valley	3.00	to 4.00	3.00	to 4.00
Daisies	.....	to 1.00	.....	to 1.00
Stocks	2.00	to 5.00	2.00	to 3.00
Snapdragon	1.00	to 3.00	1.00	to 3.00
Iris	1.00	to 2.00	1.00	to 2.00
Gladoli	2.00	to 4.00	2.00	to 4.00
Calendulas	2.00	to 3.00	2.00	to 3.00
Sweet Peas	.50	to 1.50	.50	to 1.50
Corn Flower	.....	to 1.00	.....	to 1.00
Gardenias	2.00	to 20.00	2.00	to 20.00
Adiantum	.50	to .75	.50	to .75
Smilax	15.00	to 20.00	15.00	to 20.00
Asparagus Plumosus, strings (per 100)	15.00	to 35.00	15.00	to 35.00
& Soreen (100 bunches)	10.00	to 20.00	10.00	to 20.00

timistic wholesale florists, whose anticipations had seemingly risen with the temperature of some weeks ago. However, the unusually heavy frost early last week was followed by cold, drizzly weather; then on Saturday a steady downpour as if the floodgates of Heaven itself were opened, and Sunday again intermittent downpours. As a result, peonies which had promised much ten days or so before were practically "a dead failure." Carnations put their best foot foremost, figuratively speaking, and filling the breach to a certain extent sold at advanced prices. The weather for the occasion proper was ideal, although of course, too late to change the planting conditions, which otherwise would have been exceptionally favorable. Notwithstanding, all the disadvantages, there were retailers here and there who reported their sales in cut blooms as being ahead of last year.

All seasonables were in ample supply for Memorial Day. There was some uneasiness about the middle of the month that outdoor stock would be scarce on account of repeated set-backs from untimely storms, but the three or four days of hot weather the forepart of the week solved the threatened difficulty by bringing in quantities of everything of a popular nature used for decorative purposes. An unusually active shipping demand helped to a close clean-up of some varieties which move slowly locally, particularly callas and the cheaper outdoor flowers, and at the same time took much desirable stock, thus leaving no chance of a surplus in any lines. Liliun giganteum are moving readily. Sweet peas and carnations are both in better supply and their movement is much more satisfactory with improved quality. Prices are rather high. Snapdragons are abundant with demand up to normal. Peonies are being readily absorbed, and more could have been used some days the past week. Roses, as one of the mainstays for Memorial Day, have had a big call, but there has been plenty stock to supply all local demands even after heavy out-of-town shipments. Every kind can be had as

well as every grade of each kind. A good many potted rambler roses are still being used in decorative work.

Business for Decoration Day brought quite a large volume of trade for three days. Wholesale markets had plenty of stock at all times and prices this year were not so high as usual for a holiday. Roses and carnations were many in all varieties. Peonies, cape jasimine buds and gladoli had a big call all week. Sweet peas held up well in demand. There was also quite a lot of outdoor stock that came in on Monday for the clean-up trade. Reports indicate that this year Decoration Day business was somewhat better than last year.

The retailers, wholesalers and exchangers of this city are exceptionally well pleased with the three days of Memorial Day business. The cold weather served to shorten the supply of flowers, yet there was plenty for all at slightly advanced prices in some lines. Peonies, roses and carnations were sold up well. The wholesalers cleaned up their stocks early in the game and at good prices. A comparison of prices of this year and those of 1914 show that where it was possible to obtain peonies last year at the rate of two dozen for 25 cents, this week the stock sold at from \$1 to \$2.50 per dozen and

Natural Green Sheet Moss ... \$1.75
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Delivered by Express

Huckleberry Follage \$2.00 Per Case.

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Send for Canna book.
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Split carnations quickly, easily and
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Staple, 1000 for 35c.; 3000 for \$1.00 post
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Major Bonaffon, Pacific Supreme, Alice
Byron, Golden Glow, Chrysolora, rooted
cuttings, \$15.00 per 1,000; out of 2-in. pots,
\$20.00 per 1,000. SHEPARD'S GARDEN
CARNATION CO., Lowell, Mass.

THE BEST 1915 NOVELTIES.

The Cream of 1914 Introductions.

The most popular Commercial and Ex-
hibition kinds; also complete line of Pom-
pons, Singles and Anemones. Trade list
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Chrysanthemum Rooted Cuttings—Chas.
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Donatello, Halliday, Bonaffon, Unaka,
Pacific Supreme, Dr. Enguehard, \$15.00 per
1000. J. Nonin, Xmas White, Mrs. Syme,
Yanoma, Comoleta, Chrysolora, Roman
Gold, Appleton, Minnie Bailey, Wells' Late
Pink, Patty, Helen Frick, Harvard, \$17.50
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strain; extra strong plants; 3-inch pots,
\$10.00 per 100, \$90.00 per 1,000. JULIUS
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Send for Wholesale List of whole clumps
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Northboro Dahlia and Gladiolus Gardens,
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John Wanamaker, Newest, Handsomest,
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Dracaena indivisa, extra heavy, 3½-inch
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English Ivy from soil, 20 to 30 in., \$3.00; from pots, 12 to 15 in., \$4.00. CHAS. FROST, Kenilworth, N. J.

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FUCHSIAS

Fuchsias—Black Prince, Speciosa, double purple and white, Rooted Cuttings, \$1.00 per 100; 2½-in., \$2.00 per 100.

W. J. BARNETT, R. D. 67, Sharon, Pa.

FUNGINE

Aphine Mfg. Co., Madison, N. J.
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GALAX

Michigan Cut Flower Co., Detroit, Mich.
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GERANIUMS

R. Vincent, Jr., & Sons Co., White Marsh, Md.
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Alonzo J. Bryan, Washington, N. J.
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H. Hansen, Malden, Mass.
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GERANIUMS—Continued

Geraniums Nutt, Ricard, Poitevine; English Ivy, Heliotrope, 3½-inch, \$6.00 per 100. Begonia Vernon, Salvia Bonfire, white Marguerite, German Ivy, Dracaena indivisa, 3½-inch, \$5.00 per 100. Blue Ageratum, double Alyssum, 3-inch, \$4.00 per 100. Coleus Verschaffeltii, Golden Bedder and other fancy varieties, 2½-inch and 3-inch, \$2.50 and \$4.00 per 100. Geranium Sallerol, 3-inch, \$5.00 per 100. Vinca variegata, 3½-inch, \$7.00 per 100. Dracaena indivisa, extra heavy, 5-inch, \$20.00 per 100. Alternanthera, red, yellow, 2-inch, \$2.00 per 100. Cash. F. SOKOL, College St., Worcester, Mass.

GLADIOLUS

John Lewis Childs, Flowerfield, L. I., N. Y.
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SPECIAL CLEAN UP SALE.

Mrs. Francis King, \$1.25 per 100; medium, 60c. per 100. America, medium, \$4.00 per 1,000; 1 inch, \$2.00 per 1,000; small, \$1.00 per 1,000. S. E. SPENCER, Brookland Gardens, Woburn, Mass.

GLASS

Sharp, Partridge & Co., Chicago.
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Parshelsky Bros., Inc., Brooklyn, N. Y.
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Royal Glass Works, New York City.
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Greenhouse glass, lowest prices. JOHN-STON GLASS CO., Hartford City, Ind.

GLASS CUTTERS

Smith & Hemenway Co., New York City.
Red Devil Glass Cutter.
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GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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GOLD FISH

Gold fish, aquarium plants, snails, castles, globes, aquarium, fish goods, nets, etc., wholesale. FRANKLIN BARRETT, Breeder, 4815 D St., Olney, Philadelphia, Pa. Large breeding pairs for sale. Send for price list.

GREENHOUSE BUILDING MATERIAL

King Construction Co., N. Tonawanda, N. Y.
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Parshelsky Bros., Inc., Brooklyn, N. Y.
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S. Jacobs & Sons, Brooklyn, N. Y.
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Lord & Burnham Co., New York City.
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A. T. Stearns Lumber Co., Neponset, Boston.
Stearns Cypress.

Metropolitan Material Co., Brooklyn, N. Y.

GREENHOUSE CONSTRUCTION

King Construction Co., N. Tonawanda, N. Y.
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Foley Greenhouse Mfg. Co., Chicago, Ill.
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S. Jacobs & Sons, Brooklyn, N. Y.
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Lord & Burnham Co., New York City.

Hitchings & Co., New York City.

A. T. Stearns Lumber Co., Boston, Mass.
Metropolitan Material Co., Brooklyn, N. Y.

J. C. Moninger Co., Chicago, Ill.

GUTTERS

King Construction Co., N. Tonawanda, N. Y.
King Channel Gutter.
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Metropolitan Material Co., Brooklyn, N. Y.
Iron Gutters.

HAIL INSURANCE

Florists' Hall Assn. of America.
J. G. Esler, Saddle River, N. J.
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HARDY FERNS AND GREEN GOODS

Michigan Cut Flower Exchange, Detroit, Mich.

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Knud Nielsen, Evergreen, Ala.
Natural Green Sheet Moss, Fancy and Dag-ger Ferns and Huckleberry Foliage.

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The Kervan Co., New York.
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HARDY PERENNIALS

Henry A. Dreer, Philadelphia, Pa.
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Bay State Nurseries, No. Abington, Mass.
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P. Ouwerkerk, Hoboken, N. J.
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Palisades Nurseries, Sparkill, N. Y.
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HEATING APPARATUS

Kroeschell Bros. Co., Chicago.
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Lord & Burnham Co., New York City
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HOT-BED SASH

Parshelsky Bros., Inc., Brooklyn, N. Y.
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Foley Greenhouse Construction Co., Chicago, Ill.
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S. Jacobs & Sons, Brooklyn, N. Y.
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Lord & Burnham Co., New York City.
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A. T. Stearns Lumber Co., Neponset, Mass.

HOSE

H. A. Dreer, Philadelphia, Pa.
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HYDRANGEAS

F. R. Pierson Co., Tarrytown, N. Y.
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INSECTICIDES

Aphine Manufacturing Co., Madison, N. J.
Aphine and Fungine.
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Lemon Oil Co., Baltimore, Md.
Standard Insecticides.

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Nicotine Mfg. Co., St. Louis, Mo.
Aphis Punk and Nikoteen.

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Roman J. Irwin, New York City.
Nico Fume Liquid and Paper.

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APHIDSPPRA—Non-poisonous; kills sucking insects; 30c.

ACMESPPRA—Non-poisonous; controls leaf-eating worms; 50c.

WRIGHT, East Islip, N. Y.

IRRIGATION EQUIPMENT

Geo. N. Barrie, Brookline, Mass.
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IVY

F. R. Pierson Co., Tarrytown, N. Y.
English Ivy.

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English Ivy Rooted Cuttings, 75c. per 100, post paid. From soil 20 to 30 in., \$3.00. From pots 12 to 15 in., \$4.00. CHAS. FROST, Kenilworth, N. J.

LEMON OIL

Lemon Oil Co., Baltimore, Md.
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In writing to Advertisers kindly mention Horticulture

LILY BULBS

Chas. Schwake & Co., New York City.
H. Thunfisch, Importers, and Exporters.
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R. M. Wood & Co., New York, N. Y.
Japanese Lily Bulbs of Superior Quality.
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Corp. of Chas. F. Meyer, New York City.
Meyers' Lily Bulbs of Gigantums.
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LILY OF THE VALLEY

Chas. Schwake & Co., Inc., New York City.
Hohmann's Famous Lily of the Valley Pipe.
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McHutchison & Co., New York City.
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Loechner & Co., New York City.
Lily of the Valley Pipes.
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LIQUID PUTTY MACHINE

Metropolitan Material Co., Brooklyn, N. Y.
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MASTICA

F. O. Pierce Co., New York City.
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MODERN IRRIGATION

J. P. Campbell, Jacksonville, Fla.

NATIONAL NURSERYMAN

National Nurseryman Publishing Co., Inc.,
Rochester, N. Y.
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NIKOTEEEN

Nicotine Mfg. Co., St. Louis, Mo.
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NIKOTIANA

Aphine Mfg. Co., Madison, N. J.
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NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
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W. & T. Smith Co., Geneva, N. Y.
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Bay State Nurseries, North Abington, Mass.
Hardy, Northern Grown Stock.
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Bobbink & Atkins, Rutherford, N. J.
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Framingham Nurseries, Framingham, Mass.
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August Rolker & Sons, New York City.
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NUT GROWING.

The Nut-Grower, Waycross, Ga.
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ONION SETS

Schilder Bros., Chillicothe, O.
Onion Seed-Onion Sets.
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ORCHID FLOWERS

Jag. McManus, New York, N. Y.
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ORCHID PLANTS

Julius Roehrs Co., Rutherford, N. J.
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Lager & Hurrell, Summit, N. J.
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PALMS, ETC.

Robert Craig Co., Philadelphia, Pa.
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August Rolker & Sons, New York City.
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A. Leuthy & Co., Roslindale, Boston, Mass.
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PANDANUS VITICHI

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PANSA PLANTS

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PEONIES

Peonies. The world's greatest collection.
1200 sorts. Send for list. C. BETSCHER,
Canal Dover, O.

PECKY CYPRESS BENCHES

A. T. Stearns Lumber Co., Boston, Mass.

PIPE AND FITTINGS

Kroeschell Bros. Co., Chicago.
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Perry, Buxton, Doane Co., So. Boston, Mass.
Second Hand Pipe.
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King Construction Company,
N. Tonawanda, N. Y.
Shelf Brackets and Pipe Hangers.
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PLANT AND BULB IMPORTS

Chas. Schwake & Co., New York City.
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August Rolker & Sons, New York City.
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PLANT TRELLISES AND STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. SEELE & SONS, Elkhart, Ind.

PLANT TUBS

American Woodenware Mfg. Co., Toledo, O.
Tree Tubs and Brass Hoop Jardinieres.
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H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

POINSETTIAS.

A. Henderson & Co., Chicago, Ill.
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POT GROWN VINES FOR LATE PLANTING

Henry A. Dreer, Philadelphia, Pa.
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RAFFIA

McHutchison & Co., New York, N. Y.
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RHODODENDRONS

P. Ouwerkerk, Hoboken, N. J.
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Framingham Nurseries, Framingham, Mass.
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RIBBONS AND CHIFFONS

S. S. Pennock-Meehan Co., Philadelphia, Pa.
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ROSES

Poehlmann Bros. Co., Morton Grove, Ill.
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P. Ouwerkerk, Hoboken, N. J.
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Robert Craig Co., Philadelphia, Pa.
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W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
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Bay State Nurseries, North Abington, Mass.
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August Rolker & Sons, New York City.
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Framingham Nurseries, Framingham, Mass.
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A. N. Pierson, Inc., Cromwell, Conn.
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ROSES—Continued

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Wood Bros., Fishkill, N. Y.
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Rose Specialists.

THE CONARD & JONES COMPANY,
West Grove, Pa. Send for offers.

SEASONABLE PLANT STOCK

R. Vincent, Jr. & Sons Co., White Marsh
Md.
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Alonzo J. Bryan, Washington, N. J.
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SEED GROWERS

California Seed Growers' Association,
San Jose, Cal.
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SEEDS

Carter's Tested Seeds,
Seeds with a Pedigree.
Boston, Mass., and London, England.
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Schilder Bros., Chillicothe, O.
Onion Seed—Onion Sets.
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Joseph Breck & Sons, Boston, Mass.
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Kelway & Son,
Langport, Somerset, England.
Kelway's Celebrated English Strain Garden
Seeds.
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J. Bolgiano & Son, Baltimore, Md.
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A. T. Boddington, New York City.
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Chas. Schwake & Co., New York City.
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Michell's Seed House, Philadelphia, Pa.
Seeds for Present Sowing.
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W. Atlee Burpee & Co., Philadelphia, Pa.
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R. & J. Farquhar & Co., Boston, Mass.
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J. M. Thorburn & Co., New York City.
Seeds for Present Sowing.
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S. Bryson Ayres Co., Independence, Mo.
Sweet Peas.
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Loechner & Co., New York City.
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Ant. C. Zvolanek, Lompoc, Cal.
Winter Flowering Sweet Pea Seed.
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S. S. Skidelsky & Co., Philadelphia, Pa.
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W. E. Marshall & Co., New York City.
Seeds, Plants and Bulbs.
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August Rolker & Sons, New York City.
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Burnett Bros., 98 Chambers St., New York.
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Fottler, Fiske, Rawson Co., Boston, Mass.
Aster Seed.

Thos. J. Grey Co., Boston, Mass.
Seeds for Present Planting.
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SKINNER IRRIGATION SYSTEM

Geo. N. Barrie, Brookline, Mass.
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SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and
orchid baskets always on hand. LAGER
& HURRELL, Summit, N. J.

SPRAYERS

George N. Barrie, Brookline, Mass.
The Barrie Soap Sprayer.
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STOVE PLANTS

Orchids—Largest stock in the country—
Stove plants and Crotons, finest collection.
JULIUS ROEHRS CO., Rutherford, N. J.

SWEET PEA SEED

Ant. C. Zvolanek, Lompoc, Calif.
New Price List.
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S. Bryson Ayres Co.,
Sunnyslope, Independence, Mo.
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THE ANGLE LAMP

Globe Gas Light Co., Boston, Mass.

VEGETABLE PLANTS

R. Vincent, Jr. & Sons Co., White Marsh, Md.
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Celery Plants: Golden Self-Blanching
(French strain), fine plants, ready now,
\$2.00 per 1000. Cash. Special prices on
large lots. BRILL CELERY GARDENS,
Kalamazoo, Mich.

VENTILATING APPARATUS

The Advance Co., Richmond, Ind.
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The John A. Evans Co., Richmond, Ind.
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VERMICIDES

Aphine Mfg. Co., Madison, N. J.
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VINCAS

F. R. Pierson Co., Tarrytown, N. Y.
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Leonard Cousins, Jr., Concord Junc., Mass.

Vinca Variegata from 4-inch pots, \$10 per
100. WM. CAPSTICK, Auburndale, Mass.

WEED DESTROYER

Pino-Lyptol Chemical Co., New York City.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
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WIREWOK

Reed & Keller, New York City.
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WILLIAM E. HEILSCHER'S WIRE
WORKS, 264 Randolph St., Detroit, Mich.

WHOLESALE FLORISTS

Albany, N. Y.

Albany Cut Flower Exchange, Albany, N. Y.
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Baltimore

The S. S. Pennock-Meehan Co., Franklin
and St. Paul Sts.
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Boston

N. F. McCarthy & Co., 112 Arch St. and
31 Otis St.
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Welch Bros. Co., 226 Devonshire St.
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Patrick Welch, 262 Devonshire St., Boston,
Mass.
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Brooklyn

Wm. H. Kuebler, 23 Willoughby St.
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SEASONABLE PLANT STOCK—Continued

Buffalo, N. Y.

William F. Kasting Co., 383-87 Elliott St.
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Chicago

Poehlmann Bros. Co., Morton Grove, Ill.
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Cincinnati

C. E. Critchell, 34-36 Third Ave., East.
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Detroit

Michigan Cut Flower Exchange, 38 and 40
Broadway.
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H. E. Froment, 148 W. 28th St.
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James McManus, 105 W. 28th St.
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W. F. Sheridan, 133 W. 28th St.
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P. J. Smith, 131 West 28th St., N. Y.
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Moore, Hentz & Nash, 55 and 57 W. 26th St.
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New York

Charles Millang, 55 and 57 West 26th St.
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W. P. Ford, New York

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Traendly & Schenck, 436 6th Ave., between
26th and 27th Sts.
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Badgley, Riedel & Meyer, Inc., New York.
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Woodrow & Marketos, 37 & 39 West 28th St.
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J. K. Allen, 118 W. 28th St.
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George C. Siebrecht, 109 W. 28th St.
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M. C. Ford, 121 West 28th St.
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Guttman & Reynor, Inc., 101 W. 28th St.,
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Philadelphia

Leo, Niessen Co., 12th and Race Sts.
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Edward Reid, 1619-21 Ranstead St.
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The S. S. Pennock-Meehan Co., 1608-20
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Stuart H. Miller, 1617 Ranstead St.
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Richmond, Ind.

E. G. Hill Co.
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Rochester, N. Y.

George B. Hart, 24 Stone St.
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Washington

The S. S. Pennock-Meehan Co., 1216 H St.,
N. W.
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New Offers In This Issue**CABBAGE AND TOMATO PLANTS.**

R. Vincent, Jr. & Sons Co., White Marsh,
Md.
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**KIL-WORM AND KIL-WEED
POISON.**

Lemon Oil Co., Baltimore, Md.
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LILIES FOR JUNE DECORATIONS.

S. S. Pennock-Meehan Co., Philadelphia, Pa.
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OLEANDER TREES WANTED.

Alex. McConnell, New York City.
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**POMPON CHRYSANTHEMUMS,
GERANIUMS AND BEDDING
STOCK.**

R. Vincent, Jr. & Sons Co., White Marsh,
Md.
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WANTS, FOR SALE, ETC.

Advertisements in this column
one cent a word. Initials count as
as words. Cash with order. All
correspondence addressed "Care
HORTICULTURE" should be sent
to 147 Summer St., Boston.

FOR SALE

FOR SALE—Fresh from factory, new;
10 x 12, 16 x 18, 16 x 24, double thick. A
and B qualities. Market dropped. Now is
the time to buy and save money. PAR-
SHELSKY BROS., INC., 215-217 Have
meyer St., Brooklyn, N. Y.

THE NUT-GROWER

The unique monthly publica-
tion which furnishes reliable
and interesting up-to-date in-
formation regarding the value
of pecans and other edible nuts
and how to grow them for profit.

Subscription, \$1.00 per year

Sample Copy Free

**THE NUT-GROWER
WAYCROSS, GA.****LITTLE ADS. BRING BIG
RETURNS**

Little ads. in our Classified Columns bring
big returns to both advertiser and pur-
chaser.

Anything that can be sold to florists, gar-
deners, park and cemetery superintendents,
etc., can be sold through this medium in
this department, and at very small cost.
Don't fail to read them each issue, for you
will find one or more that will prove profit-
able to you.

They Cost Only One Cent a Word
Undisplayed

In writing to Advertisers kindly mention Horticulture

THE MOTOR TRUCK FOR FLORISTS.

(Continued from page 767)

stress on delivery facilities, and in order to cater to customers it is necessary to guarantee an absolute punctual delivery.

"In this rush work, the motor truck alone can rise to the situation. It is necessary to have the right kind of a car, right equipment, and intelligent direction. With this combination, it will be found that the truck cannot fail to give results.

"Trucks can be forced in a rush in a manner that would not be possible to horses. Trips that used to be very difficult for the horses, are the simplest things in the world for a truck. With a truck the florist is always in position to handle an emergency order and to make prompt delivery, no matter what the volume to be carried, or the distance to be covered. Weather conditions matter not. For this reason trucks are really an essential of the system."

A special advantage in the use of trucks, is that it is possible to have the vehicle arranged to suit the particular needs of the florists' business. Mention has already been made of the elevation in the body to permit the carrying of tall plants. It is possible to have the bodies built so that they combine elegance and good taste with proper advertising value. Electric lights are installed so as to facilitate the handling of the flowers, so that the driver, or his helper, will not break or damage the flowers in removing them. Artificial heat in the interior of the vehicle is also feasible, and is a

most helpful factor. This is especially valuable in cold weather to protect the more fragile blooms. A device something similar to the foot warmer more or less used in carriages, gives this safeguard against too low a temperature. Thermometers in the truck make it possible to regulate the temperature.

There is an undoubted advertising value in motor trucks for floral deliveries. People like to see a handsome power vehicle in front of their home, and it is nothing uncommon for a florist to get a request to have an order of flowers delivered by his truck rather than a horse and wagon. Moreover, the vehicles carry the name of the florist through the fashionable sections, and help to attract public attention to a firm that has the modern equipment to take care of its customers. Advertising is one of the great factors in business. Good advertising is the creating of favorable public opinion for your store, your product, your service, or whatever you have to sell. The motor truck is an advertising factor of growing importance. The motor truck symbolizes progress. The Philadelphia Public Ledger expresses the opinion that, "In a system of good book-keeping, a large portion of the cost of maintaining a motor truck delivery system would be charged to advertising. By this method justice would be rendered in the amount of profitable publicity that accrues from the possession of power vehicles. The motor truck, with the name of its owner prominently displayed, is a moving billboard that advertises a firm in all parts of the territory in which its business is located. A power vehicle is accepted by the public as a demonstration of the ability of the firm to make good its delivery promises, and to reach on schedule time sections inaccessible to other forms of transportation. This kind of advertising is invaluable. It is both a business-getter and a business-holder. Such advertising costs nothing in direct outlay. It comes as an incident of an improved service."

It will be seen from the foregoing that the great advantage of motor delivery in this line of business is efficiency. This efficiency, however, is not to be obtained in a haphazard manner. Much forethought and careful deliberation should be given to the selection of motor equipment, and the co-operation of transportation analysts (whose services are extended by most truck companies), should be obtained, so that the proper size and style of equipment will be the result. There are many important points to be considered in the selection of a motor delivery vehicle. On many points of motor construction, manufacturers dispute and differ widely, and every truck on the market today has various good talking points which may, or may not, appeal to the prospective purchaser. Your selection of a truck should be influenced by four factors. Simplicity of construction, accessibility, economy of operation and service. By simplicity, I mean that it should be of interest to you that your vehicle, going as it will into the hands of unskilled drivers, should be devoid of all unnecessary complications, and should have as few parts as is practical. All working parts should be accessible so that when adjustments and replacements

become necessary, the amount of labor consumed in making said replacements and adjustments, is by this accessibility reduced to a minimum. The more accessible the machinery and parts of your vehicle, the less the mechanical upkeep will cost. Economy of operation is also important, and the mileage per gallon of gasoline and oil should be carefully looked into. The cost of tires is an item to be strongly considered, and the vehicle selected should be well balanced with weight, so distributed as to give greatest life to the tires. The weight of the vehicle should also be considered, as it is poor economy to select any vehicle whose own weight is excessive for the load it is to carry. Service is a most important factor to the prospective truck purchaser, and he must needs be assured that the delivery which supplants his horses, shall be continuous and uninterrupted. The purchaser should ascertain whether a service station of the company is located in or near the town where he proposes to operate his truck, and whether the station is open at all times for his convenience. Also whether a complete supply of duplicate parts are kept on hand to meet the demands of all emergencies.

Finally, do not be misled by the lowest price. It is poor economy at all times, but especially so in the matter of motor trucks. The late Elbert Hubbard said, "Keep your car. Don't buy a car that was built for trading purposes. Buy a good one and keep her." He further said there are three things you must keep. "Keep your temper—Keep your friends—Keep your health," and he added a fourth—"Keep your car."

THE PRACTICAL BOOK OF Outdoor Rose Growing

FOR THE HOME GARDEN
by
GEORGE C. THOMAS, JR.

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New York.

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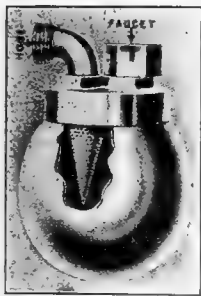
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PUBLICATIONS RECEIVED.

The Year Book of the United States Department of Agriculture for 1914 has come to hand from the secretary at Washington. It contains illustrated reports from the different Bureaus and Divisions subsidiary to the Department, and comprises 716 pages. The plates, of which there are over fifty in addition to an equal number of text figures, are excellent. With the exception of some four pages regarding the work of the Bureau of Plant Industry we find nothing in the book directly touching on horticulture.

The Well-Considered Flower Garden, by Mrs. Francis King. This new book has just been put out by the publishing house of Charles Scribner's Sons. The name of the author is not unfamiliar to most of our readers and her measureless enthusiasm in flower gardening has been widely recognized as an effective agency in arousing, especially among the amateur classes, a livelier interest in floral planting and arrangement. There can be no question that the good influence exerted by Mrs. King will be greatly increased through the wide distribution which this book will receive. The author has a graceful style and is so deeply in love with her subject that what she has to say is sure to find a ready reading and willing response.

Mrs. King is an apostle, first, last and always, of the art of color arrangement and harmony. Color, to her, is the fundamental in garden planning. That is the shrine at which she worships, and all through the book she strays not from her theme. In such a personality the magic of the hybridizer finds a zealous votary and the vast store of material of garden origin is eagerly drawn upon in the subtle color combinations and effects which she has worked out. There is a chapter in grouping and massing and the growing of companion crops for this purpose. The chapter on successive crops is rich in practical suggestion. Except as incidentally referred to in their place as a background for certain floral pictures, trees and

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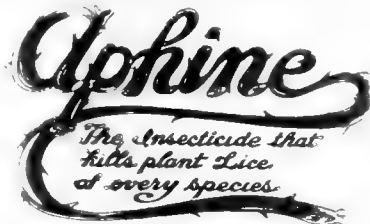
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shrubs are passed by unnoticed; annuals, biennials and herbaceous perennials have the exclusive right of way. One chapter, however, is devoted to the gardener, his rightful place and the recognition he should receive, and every gardener should be deeply grateful to Mrs. King for the appreciative sentiments she has here put on record as the gardener's friend.

Thirty-Second Annual Report of the Board of Park Commissioners, Minneapolis, Minn. This as heretofore is a model in its class. Concise and yet complete to the smallest detail it is most creditable to that forceful indefatigable leader in park work in America, Superintendent Theodore Wirth. The book comprises 160 pages, of which Mr. Wirth's own report fills 87 pages. There are thirty-four full page views of rare beauty and eight elaborate diagrams and maps of play grounds and park lay-out. A striking portrait of President Thomas Voegeli of the Park Board is used as frontispiece. Typographically the book leaves nothing to be desired.



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CAMBRIDGE, MASS.
NEW YORK, N. Y.**Flower Market Reports**

at that there were not enough extra good plants to go the rounds. Festiva Maxima readily brought \$8 per hundred. Because of the very hot spell in April and the very cold entire month of May the crop was but half the size or less than that of last year.

There has been something of a scarcity of orchids of local production. Some exceptionally fine Cattleya gigas came down from the north which brought \$7.50 per dozen and sold out as soon as received. The local crop is expected in within the coming week. There has been a good demand for cornflower, yellow and white daisies and iris, although the call was spasmodic, being brought about mainly by school exercises, the flowers named being of the school colors. There was a good run on American Beauty roses and more were sold at some of the stores last week, it is reported, than during the whole of the previous month. Beauties have been bringing \$2 and \$3 per dozen at wholesale. Baby gladioli are to be had in very good quality. Sweet peas are fine and bring 50 to 75 cents per hundred. The cold weather has helped out carnations wonderfully and they are holding with better sale.

Lewiston, Me.—The annual exhibit of spring flowers under the direction of the Lewiston & Auburn Gardeners' Union was held at the rooms of the Lewiston Chamber of Commerce, last Friday evening. About fifty attended. The exhibit included tulips, narcissi, hyacinths, pansies, lilacs and other spring flowers. Rev. George E. Kinney had the best exhibit of tulips and his address on the culture of this flower proved of interest. Others, who spoke along the lines of general civic betterment, were A. L. Kavanagh, Willard A. Noyes, George Horne and L. B. Morrill.

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Oak Grove, Ore.—Julius Broetje house, 28x60.

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Hatboro, Pa.—Jacob Schaffer, Lord & Burnham house, 10x35.

Alton, Ill.—Alton Floral Co., two rose houses, each 40x100.

Columbus, O.—State of Ohio University, range of Foley houses.

Hartford, Mich.—L. E. Davis, Linden street, house, 30x100.

Lynchburg, Va.—A. Brosch, Lord & Burnham house, 24x120.

West Grove, Pa.—C. Forrest McNeil, Lord & Burnham house, 24x80.

Richmond, Va.—Ira L. Anderson, Lord & Burnham house, 25x100.

New Bedford, Mass.—Pierce, the Florist, Cottage street, rebuilding.

Wilmington, Del.—J. Elmer Betty, Lord & Burnham house, 32x220, propagating house, 14x44.

Milton, Pa.—Fairview Greenhouses, W. Bruce Clinger, proprietor, two rose houses, each 21x100.

Boston—W. N. Estabrook, Holden street, house 28 by 150; John McNeil, Glenwood avenue, one house.

Chicago, Ill.—City of Chicago, House of Correction, 26th street and California avenue, two vegetable houses, each 30x100, Foley construction.

OBITUARY.**Ferdinand C. Helm.**

Ferdinand C. Helm, fifty-eight years old, long a florist at One Hundred and Fifty-fifth St. and Courtlandt Ave., died at his home, No. 715 Courtlandt avenue, New York City, on May 29. He is survived by a widow, two daughters and one son.

NEW CORPORATIONS.

Lyons, N. Y.—C. H. Weeks Nursery Co., capital stock, \$15,000. Incorporators, F. N. Greenlaw, Mabel G. and C. H. Weeks.

New Haven, Conn.—Cowan-Heller Floral Co., Inc. Capital stock, \$10,000, divided into 400 shares of \$25 each. Start business with \$2,500. Incorporators: Benj. R. Cowan, Carrie E. Cowan and Edw. J. Heller, all of New Haven.

VISITORS' REGISTER.

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Newport, R. I.—Harry A. Bunyard, New York.

Philadelphia—C. B. Coe, of D. M. Ferry & Co., Detroit, Mich.

Pittsburgh—E. J. Fancourt, of S. S. Pennock-Meehan Co., Philadelphia, Al. Richards representing Stumpp & Walter Company, New York.

Cincinnati—Joseph Hill, Richmond, Ind.; W. W. Stableton, Manchester, Ohio; I. Bayersdorfer representing H. Bayersdorfer & Co., Philadelphia; Mr. Lewis, Knoxville, Tenn.

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A. Herrington, of Madison, N. J., delivered a lecture before the Garden Club of Devon, Pa., last week at the home of Mrs. J. Hampler Barnes, on Flowering Trees and Shrubs.

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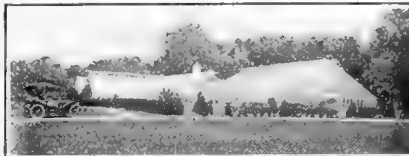
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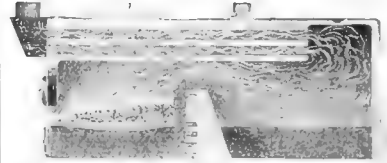
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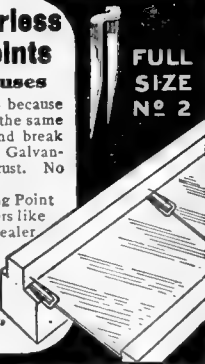
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Vol. XXI

No. 24

JUNE 12

1915

HORTICULTURE



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NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil."—Pope.

Asparagus plumosus.

This fine decorative green will need considerable more head room than smilax, also more depth of soil, and this should be heavily enriched as they are very greedy feeders. A depth of at least 9 to 12 inches is none too much for plumosus. For a compost use equal parts of rather heavy loam and some old cow manure which is well decomposed. Stock out of 4-inch pots, if sturdy and thrifty is the right sort to use. Beds thus planted should yield good returns for at least four to six years. The plants can be set from 10 to 12 inches apart in the rows and about 15 to 18 inches between the rows. As soon as the new growth assumes the character of a climber Silkaline strings can be supplied. Keep the surface of the soil loose and free from weeds. Syringe every day in order to keep the foliage fresh and bright. Give ventilation whenever possible as this tends to keep the young growth firm and strong.

Increase Begonias.

This is a good time to work up a good lot of begonias. Cuttings taken from the new side growth and those coming directly from the base of the flowering begonias will make the most satisfactory plants and those of the Rex class come fine from leaf cuttings. An ideal place to propagate these begonias is on a bench in some well-shaded house not too near the ventilators, and where a reasonable amount of humidity can be kept up. Give the proper shading and watering and they will soon root and can then be potted into small pots, using a compost of new loam, leaf mold and sand in equal parts. When they fill these pots they should be given a good portion of well decayed cow manure, leaf mould and loam in equal parts. Ventilate so the air of the house will not be violently disturbed by air currents.

Cold Storage Lilies.

Lilium speciosum rubrum is a very good lily to grow. It produces quite a few buds which open one after the other, making it last some weeks from the first open bud until the last. Pot some at intervals using 6-inch pots and giving proper drainage in each one. Place them out in a cold frame. Give them enough of water to keep them moist and when they show signs of root action and top growth they can be brought into the house and forced on. They will need lots of watching during the hot weather so that they do not become dry at the roots. Give them a good syringing every morning and afternoon until the flowers begin to open. Keep them fumigated for green fly.

Next week—*Eucharis Amazonica*; Lilies; Orchids; Starting *Cycas* Stems; Vines and Ivies; Weeds and Cultivation.

Poinsettias.

This is time to propagate poinsettias. Such as are rooted now will produce bracts a foot or more in diameter and be suitable either for benching or making up later into large pans. Poinsettias that were started early should now have some fine material for propagating purposes. Don't break them off the wooded stem but use the knife and let one or two eyes of the soft wood remain on the plants to give more cuttings again in about four weeks. Pot off just as soon as the roots have formed. A common error is to leave cuttings too long in the sand after being rooted. Pot into a compost of stiff loam mixed with about one-third its quantity of well rotted cow manure. Keep close and moist for a few days, then air more freely. If convenient and suitable greenhouse bench space is not at disposal, spread a coating of coal ashes in a cold frame and grow them there. By keeping them covered with glass and not giving too much ventilation, they will come along in good shape.

Transplanting Large Palms.

When on a well appointed commercial place, plants become too large and heavy to be handled by one or perhaps two men, too unwieldy to be of any use for decorative work where they might be made to earn their living, it is time that they should be disposed of either for ready cash or as commodities of exchange. As long as they need not be handled or moved about, all is well, but when a plant finally gets cramped for head room and a change of position, perhaps a radical rearrangement all around becomes necessary. When very large plants must be transplanted the work is usually put off until early in the fall, this being considered the best time for all such operations, but just now is as good as any for this work. Give all these palms a good rich compost for when they once become large they are very rank feeders. See that they have plenty of good drainage and work the compost well around the old ball. This work can be done outside where there is plenty of room to work. These large palms will be better to remain outside until the fall. Give them a place where they have the shade from some large trees. See that they have plenty of water and syringing.

Planting Out Stock Plants.

Now that all bedding out is done, look to the stock plants for the production of cuttings next winter. All such plants as geraniums, heliotrope, ivies, lobelias, salvias, etc., should be planted out in a good piece of ground and given care during the summer months. See that each kind is labeled true to name.

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HORTICULTURE

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The situation as it looms up for the immediate future of the horticultural world is not without serious perplexities and in such emergencies as at present exist, it is the part of wisdom to be well prepared for whatever turn the wind and tide may take. We have so long been dependent upon foreign sources of supply that one finds it difficult to imagine just what the effect

will be upon our industries should certain plant, seed and flower supplies fail us. But uncertainty and consequent distress are not confined to any one department. Florists are lament for anything the florists of the large eastern cities at least have every reason to bestir themselves to find new summer outlets for their products to offset the loss of steamer trade and other adverse conditions peculiar to these unprecedented times. American people, it is generally accepted, will stay in their own country this summer. Whatever money they may spend will be spent at home. The horticultural and floral industries will greatly need some of it but will they get their share of it? That depends upon how they proceed. It is not likely to come unsought.

Our new ally

The American Rose Society and indeed all floriculturists of whatever persuasion have reason to feel very much cheered and optimistic over the tenor of Dr. W. A. Taylor's remarks on the occasion of the turning over to the Government of the Rose Test Garden at Arlington, as quoted in our Washington correspondent in another column of this paper. The Agricultural Department has thus far concerned itself almost exclusively with matters utilitarian and the ornamental side of horticulture has been given the cold shoulder. Now Dr. Taylor as the representative of the Department tells us that hereafter floral topics will receive attention and support as a part of the legitimate work of the Department. What more can we ask as a starter? It should now be the earnest aim of the ornamental horticulturist to cooperate in the fullest manner with the Washington officials, encourage them to go ahead and impress upon them in every possible way that the gardeners and florists of this country are duly appreciative of this promised attention to their interests. One of the first steps in practical appreciation should be a prompt and liberal response to Prof. Mulford's appeal for more roses for the test collection. The answer of the rose growers should be free-hearted and enthusiastic.

The tendency in recent years to devote large ranges of greenhouses to the production of one special cut flower crop, and the ultimate effect of this movement upon the flower business is one of the most important and serious questions before the trade at the present time. Among the results most directly apparent in the operation of these "factories" are economy in overhead expenses, saving of labor and a certain standardizing and equalizing of the product which has been regarded with favor as a progressive step in floriculture in the direction of a permanent position among other well-established commercial enterprises. The tendency toward lower average values in the wholesale markets which is the logical accompaniment of the greatly increased production of roses, sweet peas, lilies, gardenias or other specialty within a limited territory, will naturally be looked upon with gladness or disapproval according as one's own interests lie on one side or the other. It is a pertinent question always, how far down prices may go before the producer is doing business at a loss and by the time the big specialist with his advantages has reached this point the plight of the small operator can be easily imagined. Lack of facilities for quick and elastic distribution over a wide territory is the great drawback to unlimited extension of specialty production of perishable goods. Until this handicap has been removed or modified, danger signals will be no curiosity.

The summer outlook

DEDICATION OF THE NATIONAL ROSE TEST GARDEN

With appropriate speeches and un-mindful of adverse weather conditions the members of the American Rose Society last week officially brought into being the National Rose Garden at Arlington, Va. The presentation exercises took place in the rooms of the American Institute of Banking, it having been found impossible to hold the meeting at the garden as originally planned.

The out of town members arrived in Washington early in the morning and were met at the Union Station by a delegation of Washingtonians who conducted them to the hall. At a preliminary meeting the work of the day was mapped out and after a luncheon the trip to Arlington was made in automobiles. Here they were taken in charge by Prof. F. L. Mulford, and despite the pouring rain nearly an hour was spent walking around the beds and examining the roses. Returning to the hall, a brief welcome was given by William F. Gude, W. R. Pierson outlined the work of the society with respect to the experimental gardens and thanked the members for the support given him as president, and Hon. Louis Brownlow, member of the Board of District Commissioners delivered the official welcome of the City of Washington, stating that the Commissioners ever stood ready to lend a helping hand in endeavors to make more and finer gardens. Robert Pyle presided at the exercises.

In presenting the roses to the government, President Pierson said "We believe that the rose is a home builder, that it tends to the upbuilding of moral character, to the enlightenment of mankind, and we hope that the work of the society will tend to better mankind."

The roses were accepted by Dr. William A. Taylor, Chief of the Bureau of Plant Industry, representing the Secretary of Agriculture who was unable to be present at the exercises. He spoke of the stabilizing influences exerted by flowers on farmers and declared that the roses will have a good effect in keeping the tillers of the soil anchored to their farms. Heretofore, the Department of Agriculture has devoted its entire efforts to matters of food and raiment but had some time since become aware of the fact that something further was required and it is devoting a part of these efforts to flowers.

Prof. Mulford explained the features that the Department is trying to develop and described in detail the arrangement of the beds. The entrance is to be covered with a light framework which will be covered with roses, and other embellishments are in mind. Prof. Mulford appealed to the members to provide additional roses. Common as well as rare varieties are desired.

Prof. L. C. Corbett told of the development of the experimental farm under his supervision, from a "mule graveyard" of civil war times, to its

present stage of development. Dr. David Fairchild, told of the department's activities abroad and described a number of new roses to be imported from northern and western China for planting in the garden at Arlington. He spoke particularly of the Chinese Rose Xanthina, a perfectly hardy light yellow rose, which has been subjected to a temperature of 20 degrees below zero without being harmed at all, while our hardiest roses would be cut to the ground. Another very early yellow rose, perhaps the earliest of roses, which has been submitted here is the Rosa Hugonis, a representative of western China. "These two roses," he said, "have fired my imagination more than anything else that I have had anything to do with. It seems to me that when we get the Chinese roses of the different varieties, extremely hardy, very floriferous, perfectly adapted to our climate, we are going to open up a new era in the rose culture of the world." Secretary Benjamin Hammond urged the cooperation of all in making the rose garden the greatest in the world. In his opinion the rose garden will eventually serve to draw people from all parts of the country to Washington to view the handsome roses.

Others who spoke were Dr. A. Patten, Dr. Walter Van Fleet, George Field, and Peter Bisset. The dedicatory address was made by William F. Gude who spoke of the good effect of flowers upon the betterment of mankind. In conclusion he said, "Let us dedicate this garden today, the garden of the American Rose Society, to the greatest good, for the greatest number, a garden whose inspiration shall be such that the motto 'a rose for every home, a bush for every garden' shall become a fact indeed."

The meeting was adjourned at four o'clock in order to give the members an opportunity of accepting an invitation of Mrs. Charles J. Bell to visit "Twin Oaks," the former home of the late Mrs. Gardiner Hubbard, donor of the Hubbard rose medals. The party was received by Mrs. Bell who personally conducted the florists, with Peter Bisset and G. E. Anderson, on a tour of the gardens on the estate. Particular interest was manifested with respect to the climbing rose "Mrs. Alexander Graham Bell," a pink seedling produced on the place by Mr. Bisset, and which has never been disseminated.

Those who participated in the exercises were: President Wallace R. Pierson, Cromwell, Conn.; Secretary Benjamin Hammond, Beacon, N. Y.; William F. and Adolphus Gude, Commissioner Louis Brownlow, Secretary Thomas Grant, of the Washington Chamber of Commerce, and President George H. Cooke, of the local Florists' Club, all of Washington, D. C.; and S. S. Pennock, Charles E. Meehan, E. J. Fancourt, George C. Watson, George D. Clark, Alfred Burton, and Robert Kift, of Phila.; Robert Pyle and Antoine Wintzer, West Grove,

Pa.; A. Farenwald and Victor Groshens, Roslyn, Pa.; Stephen Mortenson, Southampton, Pa.; Jacob D. Eisele, Riverton, N. J.; Benjamin Hammond, Beacon, N. Y.; Alexander Cumming, Jr., Cromwell, Conn.; Alfred E. Robinson, Sheldon A. Robinson, Luther E. Breck, C. H. B. Brackett, and E. Allen Peirce, Boston, Mass.; S. J. Reuter, Westerly, R. I.; Congressman C. C. Carlin, Alexandria, Va.; R. J. Liemer, Hyattsville, Md.; George W. Hess of the U. S. Botanic Gardens, Otto Bauer, Dr. A. Patten, George Field, John Anderson, Hon. A. Leftwich Sinclair, Edwin Gude, Adolphus Gude, Jr., Edgar Gude and Fred H. Kramer, Washington, D. C., and representing the Department of Agriculture were Dr. William A. Taylor, Dr. David Fairchild, Professor L. C. Corbett, Dr. Walter Van Fleet, Prof. F. L. Mulford and Peter Bisset.

PERSONAL.

Frank L. Gray, of Post & Gray, New Bedford, spent the week-end in Winchester, Mass.

Ed. Roehrs, of Rutherford, N. J., is hobbling around on crutches, due to a severe attack of "Job's comforters."

Mr. and Mrs. Harry Bayersdorfer arrived at Yokohama, Japan, on Wednesday, June 2, after a very pleasant voyage.

Henry J. Walsh, lately with The Kingston Gardeners, Kingston, Mass., has accepted a position with Stephen A. Shaw, of Dartmouth.

S. Suzuki of Yokohama Nursery Co., left New York for the Pan-American Exposition on June 2. He will stay until the close of the Exposition.

D. M. Beal, Orono; A. I. Schwey, Portland, and O. M. Wilbur, Pembroke, received their degrees in Horticulture at the University of Maine on June 9.

C. L. Wilkins of Wilton, Me., has been appointed assistant State horticulturist to succeed Herman Sweetzer who resigned and left the department early in January. Mr. Wilkins is an ex-1916 University of Maine student.

Mr. and Mrs. J. H. Covington of Franklin, Ky., have issued cards announcing the engagement of their daughter, Mary, to Walter Edwin Campbell of New Haven, Conn. The marriage will take place in the Baptist church, Franklin, Tuesday, June 22. Mr. Campbell is secretary of the Elm City Nursery Company of New Haven.

Gentlemen: We wish to thank you for printing our item and to assure you that we have received a large number of inquiries from your readers. We wish to assure you also that your support has served something more than merely a private interest.

Yours very truly,
C. M. Woodruff, Sec'y National Asso.
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Products, Detroit, Mich.

CLUBS AND SOCIETIES

EXHIBITION AT NEW YORK.

The annual exhibition of the New York Horticultural Society was held at the Hotel Statler, New York, on Saturday and Sunday, June 5th and 6th. The exhibition was a most successful one, and attracted a large number of visitors. The display was divided into two main sections, indoor and outdoor. The indoor section was held in the Hotel Statler, and the outdoor section was held in the grounds of the hotel. The indoor section was a most impressive display, and included many fine specimens of shrub and tree bloom and foliage. The outdoor section was also very attractive, and included many fine specimens of shrub and tree bloom and foliage. The exhibition was a most successful one, and attracted a large number of visitors. The display was divided into two main sections, indoor and outdoor. The indoor section was held in the Hotel Statler, and the outdoor section was held in the grounds of the hotel. The indoor section was a most impressive display, and included many fine specimens of shrub and tree bloom and foliage. The outdoor section was also very attractive, and included many fine specimens of shrub and tree bloom and foliage.

Following is a list of the awards:

Collection of flowers of shrubs and trees, 1st, T. A. Havemeyer, gard. A. Lahodney, 2nd, G. D. Barron, gard. Jas. Linane. Collection of flowers of herbaceous plants, 1st, Mrs. W. G. Nichols, gard. Geo. U. Sullivan, 2nd, Mrs. L. S. Chanler, gard. E. Wilson. 24 vases cut orchids, 1st, Lager & Hurrell, Summit, N. J., 2nd, Clement Moore, gard. J. P. Mossman, Hackensack, N. J., and Mrs. Harold Pratt, gard. A. J. Manda, Brooklyn; sweet peas from William Shillaber, gard. J. P. Sorensen, Essex Fells, N. J.; Spencer peas from Miss M. T. Crockett, gard. Adam Paterson, Saugatuck, Conn. A. N. Pierson, Inc., Cromwell, Conn., had a fine table of indoor roses and there were a few small entries of outdoor grown hybrid teas.

12 vases hybrid tea roses, outdoor grown; 1st, Gen. E. A. McAlpin, 2nd, J. Woodcock. Vase hybrid tea roses, outdoor grown; 1st, Gen. E. A. McAlpin; 2nd, Wm. Tricker.

The following special prizes were also awarded: Mrs. F. A. Constable, for a collection of flowers of herbaceous plants; cash; J. A. Manda, for new Swainsonia Mrs. Jos. Manda, certificate of merit; Bobbink & Atkins, for collection of irises; silver medal for collection of flowers of herbaceous plants; silver medal for collection of rhododendron flowers; silver medal for collection of flowers of shrubs and trees; special mention; Mrs. Marie C. Ayer, for collection of irises of German type; silver medal for vase of Peonia M. L. Coste; special mention; A. N. Pierson, Inc., for vases of roses in variety; silver medal; Wm. Shillaber, gard. J. P. Sorensen, sweet

peas; 1st, Wm. Tricker, 2nd, J. Woodcock. The judges were: A. J. Manda, Wm. Tricker, and John S. Rogers.

CLEVELAND FLOWER SHOW.

The early indications that The Cleveland Flower Show will be a big one are very favorable and the outlook is becoming better each week," says George Bate, of The Cleveland Cut Flower Co., chairman of the publicity committee of the Sixth City Show. Plans are beginning to be formed that will result in special trains to start from Boston, New York and Philadelphia to carry eastern growers and dealers to Cleveland for this November show. The details of this movement will be announced in the very near future.

It is interesting to learn that the exposition building in Cleveland, known as the Coliseum, is one of the largest halls for commercial displays in the United States. It contains over 65,000 square feet all on one floor. The location of it is within a block and a half of the Hotel Statler and is in the heart of the retail shopping district. This assures a very large attendance of the Cleveland public.

LANSDOWNE FLOWER SHOW.

Samuel S. Pennock won the premier honor at the Lansdowne Flower Show last Saturday—the Amercian Rose Society's silver medal for the best twelve. The event was a great success—crowded both afternoon and evening and had a splendid lot of exhibits. The rose, the peony, the iris, were the leading features. There was also a good showing of other seasonable hardy flowers, such as larkspurs, foxgloves, campanulas, pinks, poppies, pyrethrums, pansies, etc. The aristocratic cattleya and other orchids also had a showing and the children were encouraged with prizes for wild flowers. There was also a section for vegetables and fruits. In fact it was a good all-round show—educative, refining and entertaining to the community and reflected credit on its sponsors, the Lansdowne Natural History Club. The judges were William MacRae Thompson, Caspar Pennock and Alphonse Pericat.

AMERICAN SWEET PEA SOCIETY.

Assistant Secretary F. G. Cuthbertson has informed us that owing to the unexpected warm weather of the past week all sweet peas have come rapidly into bloom and consequently it became necessary to change the date of the great Sweet Pea Exhibition in San Francisco to Friday, June 11. All prizes and entries are to be made as originally planned.

BOSTON JUNE EXHIBITION.

The June Show of the Massachusetts Horticultural Society was held at Horticultural Hall, Boston, on Saturday and Sunday, June 5th and 6th. Rhododendrons, usually a prominent feature of this annual show, were distinctly in the minority owing to backward blooming, but the irises, campanulas and orchids were superb and with the wealth of seasonable herbaceous and shrub flowers made a most imposing display. A silver medal was awarded to Walter Hunnewell for display of rhododendrons. Certificates of merit to Mrs. Lester Leland, for zonal geranium (Lady Roscoe X May Pelton) and Miss Grace Sturtevant for hybrid irises. Cultural certificate to H. Stewart for *Cattleya citrina*.

List of Awards.

Orchids. Display of plants, arranged for effect, with foliage plants; 1st, Mrs. J. L. Gardner, Canterbury Bells, in pots; 1st, William Whitman, Rhododendrons. Twelve distinct varieties; 1st, Wm. C. Winter; 2d, T. C. Thurlow's Sons Co.; six varieties; 2d, Miss Cornelia Warren. German Irises—Twenty-four vases; 1st, Miss Grace Sturtevant; 2d, T. C. Thurlow's Sons Co.; 3d, E. M. Dunphe. Hardy Herbaceous Flowers—1st, Weld Garden. Gratuities—Miss Cornelia Warren, display of *Camellia flexuosum* and cut flowers; F. J. Dolinsky, display of *Cattleyas*; T. C. Thurlow's Sons Co., display of *Rhododendrons*; William Whitman, display of *Ghent Azaleas*; Miss Cornelia Warren, display of *Canterbury Bells*; Mrs. Frederick Ayer, display of *German Iris*, *Canterbury Bells*, *Peonies*, and *Guelder Rose*; Wm. Whitman, display of *German Iris*; Wellesley Nursery Co., display of *German Iris*; T. C. Thurlow's Sons Co., display of *German Iris*; J. K. Alexander, display of *German Iris*; E. M. Dunphe, display of *German Iris*; Mrs. J. L. Gardner, *Gloriosa Rothschildiana*; E. B. Dane, *Clerodendron Balfouri*; Mrs. J. L. Gardner, display of *Streptocarpus*; Mrs. Frederick Ayer, display of *Camellias*; Mrs. E. M. Gill, display of cut flowers; Helena A. Winde, display of native flowers.

NATIONAL FLOWER SHOW.

The diagram of floor plan for the Fourth National Flower Show to be held at Convention Hall, Philadelphia, March 25-April 2, 1916, has been issued by Secretary John Young in sheet form—18 x 22 inches. The central floor space is devoted to the competitive exhibits for which prizes to the amount of \$15,000 are offered. Trade spaces extend on either side of the hall, comprising 57 blocks in sizes running from 6 x 22 ft. to 16 x 64 ft. Trade exhibit classes are arranged as follows: A—plants, B—cut flowers, C—boilers and heating apparatus, D—greenhouse structures, E—florists' supplies, F—bulbs, seeds and garden requisites, G—miscellaneous. The cost of space, \$1.00 per square foot. "First come! First served!" On the reverse of the sheet are the complete rules and regulations governing the Trade Exhibition. For copies apply to John Young, Secretary, 53 W. 28th Street New York City.

Owing to the late season, the date of the June exhibition of the Tarrytown Horticultural Society has been changed to June 16.

E. W. NEUBRAND, Sec'y.

NEW YORK FLORISTS' CLUB.

The next regular meeting of the New York Florists' Club will be held in the Grand Opera House Building, Eighth avenue and Twenty-third street, on Monday, June 14, at 7.30 P. M. This will be the last regular meeting until September. Chairman Max Schling of the Exhibition Committee requests that a creditable display of seasonable plants and cut flowers be made. Mr. Schling's committee will be on hand to see that all exhibits are properly staged. Leonard Barron, Chairman of the Essay and Lecture Committee, announces that Bertrand H. Farr, president of the American Peony Society, will be present and will talk to the members of the Club on the work of the Peony Society and give some ideas on peonies and iris as florists' flowers.

The Flower Show Committee will recommend at this meeting that the profits from the last two flower shows be set aside as a special Flower Show Fund. Action will be taken on this important question at this time. Charles H. Totty, who has just returned after a month's visit to the Panama-Pacific Exposition, will speak of the exposition and the many attractions of California.

A meeting of the Board of Trustees will be held at the Secretary's office, Monday at 3.30 P. M., for the purpose of auditing the books and accounts of the Secretary and Treasurer. Any member has the privilege of being present. The House Committee will provide light refreshments as usual.

AMERICAN CARNATION SOCIETY.**New Carnations Registered.**

Peace—Prosperity × Winsor. Color white. Size $3\frac{1}{2}$ to 4 inches. Habit like Winsor. Vigorous grower. Long stiff stems. Can be planted close. By Frank Dinda, Farmingdale, N. Y.

Olive Whitman—Bacon × Victory. Color scarlet. Size 3 to 4 inches. As free and early as Beacon. As strong and sturdy as Victory in late spring. By Joseph Sakswich, New Hyde Park, N. Y.

Colorado—Victory and Unnamed seedling. Color dark scarlet. Size $3\frac{1}{2}$ inches. A fast grower, but not grassy. Habit resembles Cardinal, but stronger. Color does not fade in strong sunlight. By S. Knudsen, Boulder, Col.

Red Wing—Unnamed seedling × White Perfection. Color scarlet. Size 3 to $3\frac{1}{2}$ inches. Strong, robust grower. Very free bloomer, without surplus grass. Almost a non-splitter. Stems long and strong. A fine keeper and shipper. By Wm. Dawson, Williamantic, Conn.

A. F. J. BAUR, Sec'y.

AMERICAN PEONY SOCIETY.**Important Notice.**

Owing to the lateness of the season it has been decided to postpone the Annual meeting and Exhibition of the American Peony Society, announced for June 12 and 13, to Saturday and Sunday, June 19 and 20, at Horticultural Hall, Boston.

ARTHUR H. FEWKES,
For the Committee.

NEW JERSEY FLORICULTURAL SOCIETY.

The monthly meeting of the New Jersey Floricultural Society was held

IN THE CONVENTION CITY.

THE COURT OF PALMS
Panama-Pacific International Exposition San Francisco.

on Monday evening, June 7th. Schedules for the Fall show are now ready and may be had on application to the secretary. The president reminded the members of the prize of \$10.00 put up by Jos. A. Manda for the one securing the most members during the year 1915. There will be an intermission of two months during July and August and on re-opening in September our meeting night falling on Labor Day, we shall hold same the following day at the home of Jos. A. Manda, West Orange, N. J. The feature of the evening was a plant of the new lavender-mauve Swainsona Mrs. Joseph A. Manda. It is a striking color and quite distinct from the other varieties. Joseph A. Manda, the exhibitor, received a first-class certificate and he offered a prize of \$10.00 for the best plant exhibited next year.

Other awards were as follows:

Peter Hauck, Jr., carnations, 75 points; Campanula Media, 70 points; cut flowers, 65 points; sweet peas, 60 points; Mrs. Wm. Barr, Doodia aspera, 80 points. Mrs. Becker, roses, cultural certificate; C. C. Goodrich, peonies, cultural certificate; Peter Hauck, Jr., vegetables, cultural certificate. GEO. W. STRANGE, Sec'y.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.**Department of Plant Registration.**

Public notice is hereby given that as no objection has been filed, the registration of Canna "City of Portland," by Conard & Jones Co., West Grove, Pa., becomes complete.

JOHN YOUNG, Sec'y.

June 5, 1915.

PENNSYLVANIA HORTICULTURAL SOCIETY.

The annual rose show of the above society at Horticultural Hall, Philadelphia, was unexpectedly good and drew excellent crowds. The finest fea-

ture of it was the splendid exhibit from George C. Thomas. He staged one hundred and eighty varieties of teas. This alone was worth going a long way to see. The other exhibits were also extensive and of high quality. Among the prize winners were Rudolph Ellis, gard. Axel Lindroth; John Grebbel, gard. Jas. Fox; J. W. Pepper, gard. W. Robertson; John A. Brown, gard. Jos. Goetter; Geo. C. Thomas; Geo. H. McFadden, gard. David Aiken.

CLUB AND SOCIETY NOTES.

The Cincinnati Florists' Society's next meeting will be held on Monday evening, June 14.

At a meeting of the New Bedford (Mass.) Horticultural Society, held in the Public Library on the evening of June 7th, June 17th was decided upon as the date for the Peony Exhibition, subject to change if the peonies are not sufficiently advanced by that time.

The annual June exhibition of roses, sweet peas, strawberries, hardy flowers etc., by the Tarrytown Horticultural Society will be held at the Gymnasium Y. M. C. A. Building, Main Street, Tarrytown, N. Y., on Wednesday afternoon and evening, June 16th, 1915, from 2 until 10 P. M. Admission free. There are 29 classes in this prize schedule.

An unusual opportunity to see berries and market garden crops grown at their best under irrigation, was offered at the meeting of the New Jersey State Horticultural Society, Wednesday, June 9, at the noted Seabrook Farms, near Bridgeton, N. J. Several addresses were made by prominent men and substantial luncheon was served. The Secretary is H. G. Taylor, Riverton, N. J.

The Standard Horticultural Association held its regular annual well attended meeting at the Hotel Hugo Grand, New York, June 11-14. The first meeting of the afternoon, at 2 P. M., was devoted to the Florists' Association. The afternoon session was devoted to the exchange of views on the subject of the standardization of the horticultural products. The association was very successful in its efforts to secure cooperation from the association. A resolution was passed on the awarding of medals to exhibitors and a motion picture passed in a most pleasant afternoon.

The North Shore Horticultural Society held its regular meeting in Manchester, Mass., June 4. A large number of members and visitors listened to an informal, but very interesting address by James Sater of Danvers on the usefulness of horticultural societies and exhibitions. He advocated more sociability and recreation at all society meetings. A committee was appointed to make arrangements to hold a clam bake in July. Ernest Townsend was awarded a certificate of merit for a collection of trusses of greenhouse-grown tomatoes. Some very handsome checks were received from several of the wealthy families of the North Shore colony for prizes for the August show.

The schedule of premiums offered by the Rhode Island Horticultural Society for the year 1915 has been received. Exhibitions will be held in the ball room of the Narragansett Hotel, Providence, on Wednesday, June 16, Thursday and Friday, September 16 and 17, Thursday and Friday, November 11 and 12.

The schedule has some unique features, one particularly commendable innovation being several pages of instructive advice to exhibitors on methods of attractively staging flowers, plants, fruit and vegetables, with a number of pertinent illustrations. Every intending exhibitor at any show will find this very interesting reading. Copies may be had on application to Secretary E. K. Thomas, Kingston, R. I.

The exhibition committee consists of Eugene A. Appleton, chairman, Providence; Joshua Vose, Pontiac; Arthur Sellow, Providence; Cornelius Hartstra, Providence; Dr. H. W. Heatson, Providence; the president, ex-officio; and the secretary, ex-officio.

Officers are as follows: Dr. H. H. York, president, Providence; Harold L. Madison, treasurer, 27 Whitney street, Providence; Ernest K. Thomas, secretary, P. O. Box 180, Kingston, R. I.

COMING EVENTS.

Shows.

Boston, Mass., June 19-20. American Seed Trade Association.

San Francisco, Cal., June 11-12. American Seed Trade Association.

Newport, R. I., July 8-9. Annual show and meeting of American Sweet Pea Society, in conjunction with Newport Garden Assoc. and Newport Hort. Soc.

Greenwich, Conn., July 18-19. Westchester and Fairfield Hort. Soc. Society.

Lenox, Mass., July 27-28. Summer exhibition of Lenox Horticultural Society.

Newport, R. I., Aug. 12, 13, 14. Mid-summer exhibition of Newport Garden Club and Newport Horticultural Society.

Newport, R. I., Aug. 18-19. Mid-summer exhibition of Newport Garden Club and Newport Horticultural Society.

Newport, R. I., Aug. 18-19. Mid-summer exhibition of Newport Garden Club and Newport Horticultural Society.

Cleveland, O., Aug. 13-14. Garden Show.

Lewiston, Me., Aug. 27-28. Fall exhibition in Lewiston City Hall of Lewiston and Auburn Gardeners' Union. Chas. S. Allen, President, Auburn, Me.; Mrs. Geo. A. Whitney, Secretary, 151 Winter St., Auburn, Me. Meetings first Friday in each month.

Atlantic City, N. J., Aug. 26-29. American Gladiolus Society exhibition.

Orange, N. J., Oct. 4. Tenth Annual Dahlia, Fruit, Gladiolus and Vegetable Show of N. J. Floricultural Society. Geo. W. Strange, Sec., 84 Jackson St.

Oyster Bay, L. I., N. Y., Oct. 5-6. Flower Show of the Oyster Bay Hort. Society. Chas. W. Johnson, Sec., 2236 Fairfax Ave., Morgan Park, Ill.

Glenn Cove, L. I., Oct. 7. Dahlia Show of Nassau Co. Hort. Soc., Fall Show of Nassau Co. Hort. Soc., Oct. 28 and 29.

Poughkeepsie, N. Y., Oct. 28-29. Annual flower show of Dutchess County Horticultural Society. N. Harold Cottam, Sec., Wappingers Falls.

New York, N. Y., Nov. 3, 4, 5. Annual Chrysanthemum Show of the American Institute, Engineering Societies Building.

Tarrytown, N. Y., Nov. 4-5. Chrysanthemum Show in the Music Hall.

New York, N. Y., Nov. 4-7. Annual Autumn exhibition of Hort. Soc. of New York, Museum of Natural History.

Cleveland, O., Nov. 10-11. Annual show and meeting of Chrysanthemum Society of America. In conjunction with the Cleveland Flower Show. Chas. W. Johnson, Sec., 2236 Fairfax Ave., Morgan Park, Ill.

Cleveland, O., Nov. 10-11. Cleveland Flower Show. The only show of national scope in the United States this fall. F. A. Friedberg, Sec., 356 Leader Building.

Meetings.

Dobbs Ferry, N. Y., June 12. Dobbs Ferry Horticultural Society, Odd Fellows' Hall. B. Harms, Sec.

New York, N. Y., June 12. Horticultural Society of New York at American Museum of Natural History. Geo. V. Nash, Sec., N. Y. Botanical Garden, Bronx Park, New York.

Newark, N. J., June 13. Wein, Obst & Gartenbau Verein, 15 Newark St. Peter Caille, Sec., 111 Avon Ave.

New Orleans, La., June 13. Gardeners' Mutual Protective Association, 114 Exchange Alley. John Parr, Sec., 4539 North Rampart St.

Rochester, N. Y., June 14. Rochester Florists' Association, 95 Main St., East. H. B. Stringer, Sec., 47 Stone St.

New York, N. Y., June 14. New York Florists' Club, Grand Opera House Bldg., Eighth Ave. and Twenty-third St. John Young, Sec., 53 W. 25th St., New York.

Baltimore, Md., June 14. Gardeners' and Florists' Club of Baltimore, Florists' Exchange Hall, St. Paul and Franklin Sts. Noah F. Flittton, Sec., Gwynn Falls Park, Sta. F., Baltimore.

Cincinnati, O., June 14. Cincinnati Florists' Society, Jabez Elliott Flower Market. Alex. Osterberg, Sec.

Cleveland, O., June 14. Cleveland Florists' Club, Hotel Hollenden, Club Room B. Frank Friedley, Sec.

Boston, Mass., June 15. Gardeners' and Florists' Club of Boston, Horticultural Hall. W. N. Craig, Sec., Laukner Farm, Brookline, Mass.

Lake Geneva, Wis., June 15. Lake Geneva Gardeners' and Foremen's Association, Horticultural Hall. Wm. H. Griffiths, Sec., Lake Geneva.

Minneapolis, Minn., June 15. Minnesota State Florists' Association. Gust. Malmquist, Sec., Fair Oaks, Minneapolis, Minn.

Toronto, Ont., June 15. Gardeners' and Florists' of Ontario, St. George's Hall, Elm St. Geo. Douglass, Sec., 180 Merton St., Toronto.

Newark, N. J., June 17. Essex County Florists' Club, Kreuger Auditorium, 25 Belmont Ave. John Crossley, Sec., 37 Belleville Ave.

New Orleans, La., June 17. New Orleans Horticultural Society, Association of Commerce Bldg. C. R. Panter, Sec., 2320 Calhoun St., New Orleans.

Tacoma, Wash., June 17. Tacoma Florists' Association, Macabee Hall, 11th and C Sts. F. H. Atchison, Sec., South 50th and East F St., Tacoma.

Boston, Mass., June 19-20. American Peony Society, Horticultural Hall.

Detroit, Mich., June 21. Detroit Florists' Club, Bemis Floral Hall, 153 Bates St. R. H. Wells, Sec., 827 Canfield Ave.

Montreal, Que., June 21. Montreal Gardeners' and Florists' Club, Montreal Floral Exchange, 140 Mansfield St. W. H. Horobin, Sec., 283 Marquette St.

Newport, R. I., June 22. Newport Horticultural Society, Music Hall. Wm. Gray, Sec., Bellevue Ave., Newport.

San Francisco, Cal., June 22-24. American Seed Trade Association.

Detroit, Mich., June 23-25. Annual convention of American Association of Nurserymen.

Hartford, Conn., June 25. The Connecticut Horticultural Society, County Bldg. Alfred Dixon, Sec., 25 Wilcox St., Wethersfield, Conn.

Dobbs Ferry, N. Y., June 26. Dobbs Ferry Horticultural Society, Odd Fellows' Hall. B. Harms, Sec.

Newark, N. J., June 26. Wein, Obst & Gartenbau Verein, 15 Newark St. Peter Caille, Sec., 111 Avon Ave., Newark.

Baltimore, Md., June 27. Gardeners' and Florists' Club of Baltimore, Florists' Exchange Hall, St. Paul and Franklin Sts. Noah F. Flittton, Sec., Gwynn Falls Park, Sta. F., Baltimore.

Norwich, Conn., June 28. New London County Horticultural Society, Buckingham Memorial. Frank H. Allen, Sec., 321 Main St., Norwich, Conn.

Providence, R. I., June 28. Florists' and Gardeners' Club of Rhode Island, Swartz Hall, 96 Westminster St. Wm. E. Chapell, Sec., 323 Branch Ave., Providence, R. I.

Fort Worth, Tex., July 6-7. Texas State Florists' meeting.

San Francisco, Cal., Aug. 12-14. Pacific Coast and California Assoc. of Nurserymen.

San Francisco, Cal., Aug. 17-19. Society of American Florists and Ornamental Horticulturists.

San Francisco, Cal., Aug. 18. American Association of Park Superintendents.

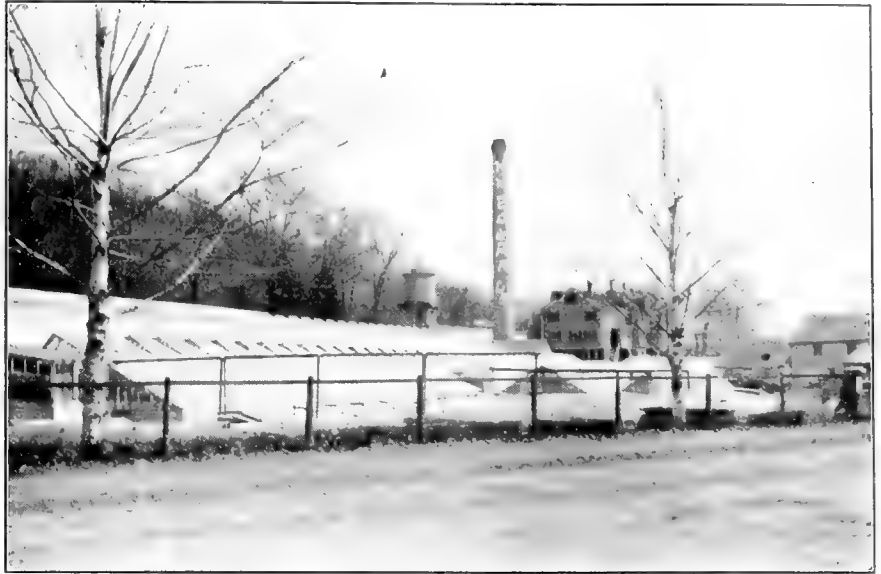
San Francisco, Cal., Sept. 3-5. American Pomological Society.

GROWING ROSES UNDER GLASS.

(A paper by Robert Beechwood, gardener for Mrs. S. W. Allerton, Lake Geneva, Wis.)

A rich clay soil taken from an old pasture without clover seems to suit most roses. In the early fall plow the sod as thin as possible and put in a pile with layers of 12 in. sod and 6 in. fresh cow manure and this will be ready for using when required the following spring or summer. Whether to grow roses grafted or on their own roots is a big question and I think for the private gardener for most varieties own-root stock is to be preferred. The best time to root cuttings is January and February. For the propagating bench use 3 inches of good sharp sand, free from soil, over 1 inch of rough ashes. The temperature should be 55 degrees to 58 degrees with 10 degrees more bottom heat. Use three-eye cutting, one in the sand and two above, from flowering wood firm but not hard. Pot as soon as rooted into good fibrous soil without fertilizer and shade from the sun for a few days. If potted again before benching, soil as used for the benches can be used. For summer blooming, March planting is best and for winter, May and June. Use benches 5 inches deep with bottom boards 4 to 6 inches wide and at least $\frac{1}{2}$ inch apart. Soil should be chopped but not too finely and to each yard of soil used, add about 25 lbs. bone meal, a pail each of fresh slaked lime and hardwood ashes. Fill the benches firm to 4 inches, putting the rougher soil on bottom. Plant firmly 15 inches apart each way and water each plant immediately. For the first four weeks only, the plants will need water and the rest of the bench should be kept moist by syringing but after that the entire bench may be watered. On sunny days, plants should be syringed in the morning and on very hot days, again in the afternoon, but never syringe or spill water in the house after 2.00 P. M. Healthy plants require lots of water and when growing should never be allowed to dry out. Water till the bench is wet to the bottom and dripping through but not running through. Carnations are benefited by an occasional drying but not roses. Some varieties require a higher temperature than others but about 58 degrees to 60 degrees at night with 10 degrees to 15 degrees rise during the day suits most varieties. When the sun heat raises the temperature to 65 degrees it is time to put on a crack of air which should be added to gradually to keep below 75 degrees when possible and taken off gradually to lower temperature steadily to 65 degrees by early evening. From spring till fall, a little air over night is helpful even if we have to fire to keep up temperature. Plants should be staked when planted and tied early to withstand hard syringing.

After planting our aim is to get a good sized bush, so for the first three or four months, buds are cut when they are the size of large peas to leave three to six eyes and the stronger the growth the more eyes can be left till we have a bush about 15 inches high and then we can start cutting roses back to two or three eyes, but to get good roses you must have a good-sized plant and it is better to sacrifice a few flowers once in a while to help build the plants. About four months after planting they should need some top

PLANT HOUSES AT WAVERLEY, MASS.

The accompanying cut shows one section of the well-known plant growing establishment of the W. W. Edgar Company at Waverley, Mass. The photograph was taken Easter week, this year, by Fred Lautenschlager of

Kroeschell Bros. Co., Chicago. The entire Edgar plant is heated by Kroeschell boilers. Herman Bartsch cultural ability and Kroeschell boiler efficiency would seem to be a winning combination judging from the quality of the Edgar product.

dressing which should be about three parts cow manure and one part soil with some bone meal added. This top dressing can be repeated every two months till spring when liquid cow or sheep manure get quicker results. Let the strength of the plants be your guide in feeding and the stronger the plants the more feeding they will stand. Under no circumstances should roses be fed when dry. If they require water, water them first, then feed them. A sprinkling of slaked lime and wood ashes is very good to keep the soil sweet and should be given about every six or eight weeks. The high grade fertilizers are not to be recommended. The houses should be fumigated every ten days for aphids. For red spider syringing is the most effective and this should be done thoroughly with a good hard spray on the under side of the foliage.

Of the diseases we have, mildew and black spot are the most troublesome. Luckily black spot is nearly confined to American Beauty. Both diseases have about the same causes, among which are draughts, sudden changes of temperature, stuffy atmosphere and dampness. Prevention is better than cure, but even the best rose growers seem to have some trouble with diseases. Whenever black spot is seen, remove all the infected leaves at once and burn them and then spray the plants with a mixture at the rate of 5 ounces carbonate of copper, 3 quarts of ammonia to 60 gallons water. Some of the many fungicides will help, but find out if they discolor white paint before using, or you may find your otherwise white paint turned brown. For mildew, sulphur is the best remedy and may be used in many different ways. An easy and effective way is to dust it on the plants. If the day is sunny, close the ventilators and let the temperature rise to 85 degrees, then blow sulphur in the air and on the plants and keep the house closed for

an hour, then give air gradually. When we are using fire heat, sulphur mixed with water is put on the hot water pipes. In fall, before we start hard firing, in my opinion, is the most critical time for the rose grower, as the plants seem to want a natural rest. A few degrees more heat at this time will help to keep them going. This is our worst time for mildew and a good way to fight it is on a dull day to close the ventilators and keep sulphur melted in frying pans by oil lamp stoves. They must however be watched very carefully and unless thoroughly understood should not be attempted, as if the sulphur ever burns to the bottom of the pans, your foliage will all drop the next day. Plants may be kept over for a second or even a third year by giving them a rest. For winter flowering, rest in June and July. Open all ventilators and doors, syringe and water only enough to keep the wood from shrivelling and keep this up for four or six weeks. Now prune out all blind wood and prune back the rest to 18 to 21 inches if they are to be laid down and 12 to 15 inches if to be left standing. Fork over the top soil very lightly with a hand fork and apply a top dressing of half good soil, half cow manure, some bone meal and a sprinkling of fresh slaked lime and you are ready for running again. For summer blooming, rest in winter, keeping the temperature just above freezing. Start at 10 degrees about the 1st of March and gradually rise to regular temperature and otherwise treat same as for winter blooming.

In conclusion, I will say treat your roses as you treat yourself. You don't want to sit in a draught; if you are thirsty, you don't want to wait till tomorrow before quenching your thirst. If you are hungry, you want food and you want the food that suits your digestion. When sick, you want special attention till you are well again. The same rules apply to your roses.

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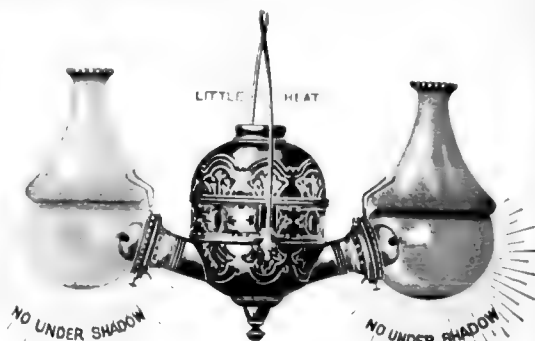
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Boston, Mass.



**A FEW SHOP-WORN
LAMPS AT A BARGAIN**

Obituary

William Mitchellhill.

We have just received information to the effect that Wm. Mitchellhill, member of the seed firm of that name in St. Joseph, Mo., was among the victims of the German submarine which attacked the Lusitania.

Michael J. Aylward.

Michael J. Aylward, florist, 62 years old, died at his home, 13 Willow street, Woburn, Mass., on Friday, June 4. He was born in Ireland. He leaves four sons, William Aylward of Roxbury and Edward L. J. Joseph and Walter H. Aylward of Woburn.

James Lockhart.

James Lockhart, aged 81, a veteran gardener and florist, who had been in the employ of Florist J. E. Long, of Holliston, the past fourteen years, died on June 4 at the Union avenue hospital in Framingham, Mass., where he was taken three weeks ago suffering from an attack of grippe. He was born in Scotland and had been in this country since he was twenty years old. He has no known relatives in this country and, in feeble health for the past year, has been cared for by his employer.

Charles F. Krueger.

Mr. Krueger, who passed away on the 4th inst., was a well known figure in the florist trade of Philadelphia. He conducted the flower stand at the Reading Terminal Station for many years. Previous to this he was in the greenhouse business at Narberth. He was a member of the Florists' Club and many other societies. He was a cheerful and happy man up to about twelve years ago when an unfortunate family tragedy cast a gloom over his life. This no doubt contributed to his early demise—41 years of age. Interment took place at Fernwood Cemetery on June 7th, and was attended by many of the leading figures in the trade.

Henry J. Weber.

Henry J. Weber, 74 years old, founder of the H. J. Weber & Sons Nursery Company at Nursery, Mo. died on June 3, following an illness of more than a

year. He was one of the pioneer residents of St. Louis County, having lived at Nursery since his birth. Five years ago he retired from business and turned over the nursery to his sons. He is survived by his widow and six children.

Mr. Weber was an honorary member of the St. Louis Florist Club whose members spent several pleasant afternoons as his guests during the summer months. At the funeral, Saturday, June 5, many fine floral emblems were seen, one being from The St. Louis Florist Club.

TEXAS HAIL STORM.

Waco Florists Lose Heavily from Hail.

The heavy hail storm which visited Waco, on Wednesday night, May 26th, did very heavy damage to two of Waco's florists' establishments and some damage to a third. Tom Wolfe reports that about 7,000 feet of his glass was broken. He has about 45,000 square feet of glass in his greenhouses and the glass broken was pretty well distributed over his entire set of houses. There was not so very much damage to indoor plants as most of the pot stock had been removed; carnations were nearing the end of the season's blooming and he had recently cut his rose stock back. His out-door plants suffered very heavily. He had a fine lot of gladiolus in the field and they were cut to pieces. Insurance was carried on these houses. Repairs will be made as soon as the material can be had and the work done.

The Waco Floral Company, which is managed by T. W. Reed, reports that their loss of glass was practically total. Out of 25,000 square feet of glass they saved only 690 panes. About 50 per cent of pot plants in-doors were destroyed. All out-door plants were almost destroyed outright. Their damage is estimated to be at least \$3,000. No insurance was carried. New glass has been ordered and the houses will be repaired promptly.

The Mohan Floral Company suffered only slightly compared with the others. Their damage is reported to amount to about \$150.

There were two of these hail storms, which visited Waco the same night. The Wolfe houses were not very badly damaged in the first, which came about 8 p. m. He thought he had

escaped, but at about 1 o'clock a. m., of the same night, another very severe storm set in and resulted in the very heavy damage to his range of glass.

ROSE ARCHES AT TWIN OAKS.

(See Cover Illustration.)

As related in our notes from Washington, the members of the American Rose Society who attended the exercises attendant upon the dedication of the Rose Test Gardens at Arlington, Va., enjoyed a treat in the visit to the beautiful Hubbard estate "Twin Oaks," not the least factor of which was the lovely scene which serves as our cover illustration this week. The arch in the foreground is covered with American Pillar, the next Dundee Rambler, next Lady Gay, then Carmine Pillar, Tausendschoen, Gardenia, Leichstern, Silver Moon, Reine Andree, and other, the arches forming a continuous arbor extending from the residence to the greenhouses. The rose garden here is well stocked with all the best tea and hybrid tea roses.

"Please discontinue these advts. All sold out."

June 8th.

F. S.

That is what an advertisement in our Buyers' Directory and Ready Reference Guide does. What it has done for this advertiser it will do for you. Send in your copy—ONE CENT per word.

BEDDING PLANTS

Alyssum, Little Gem, 2 1/4 inch, 3c.
Alternanthera, red and yellow, 2 1/4 inch, 3c.
Coleus, assorted, 2 1/4 inch, 3c.
Verbena, mixed, 2 1/4 inch, 3c.
Lobelia Crystal Palace Gem, 2 1/4 inch, 3c.
Achyranthes Linden, 2 1/4 inch, 3c.
Petunia Howard's Star, 3 inch, 5c.
Petunia California Giant, 3 1/2 inch, 6c.
Double Petunias, 3 1/2 inch, 7c.
Marigolds, French, 3 inch, 4c.
Marigolds, African, 3 1/2 inch, 6c.
Celosia Thompsoni, 3 1/2 inch, 6c.
Mesembryanthemum, 3 1/2 inch, 6c.
Heliotrope, 3 1/2 inch, 6c.
Salvia splendens, 3 inch, 5c.
Cannas in variety, 3 1/4 inch, 7c.
Geraniums, Poitevine, Jean Vlaud, Gen.
Grant and Nutt, 3 1/2 inch, 7c.
Mme. Salleron, 2 1/4 inch, 4c.
Cobea scandens, 3 inch, 6c.
Cosmos, 3 inch, 5c.
Double Feverfew, 3 inch, 5c.
Golden Feverfew, 2 1/4 inch, 3c.

H. HANSEN

FLORIST, 106 Avon St., MALDEN, MASS.

HORTICULTURE INDISPENSABLE

The following examples of many approving letters received at the office of HORTICULTURE during the past few weeks, show why HORTICULTURE is so valuable as an advertising medium. Intensive circulation is HORTICULTURE'S best quality and practically every reader is a possible customer for the advertiser.

Gentlemen:—Last week's HORTICULTURE is not received. Have you scratched me off your list, or what is the matter? Appreciate your paper more than any of half a dozen I am receiving, and don't want to miss any copies. Will you please investigate?

Yours truly,
Missouri. A. B. K.

Gentlemen:—It is getting late in the season and we wish to discontinue the advertisements which we carry in your paper. We would say that the advertisements which we have carried in your paper have brought us good results, and we feel that the money so expended was well invested.

Yours truly,
Standard Thermo Company,
S. C. LORD, President.

Kindly discontinue my advertisement in the classified ad. section of HORTICULTURE, rendering bill to date.

Yours is a very good advertising medium. We have rid ourselves of practically all our surplus stock, and are therefore obliged to discontinue.

Very truly yours,
Mass. A.

"HORTICULTURE is grand. Keep it up." B.
San Jose, Cal.

Editor HORTICULTURE:

Dear Sir — Enclosed please find \$1.00, my subscription to your valuable paper for another year. Cannot do without it.
Conn. O. A. H.

Dear Horticulture:

We can't keep house without you, and you can't travel without money, therefore I enclose money order to keep you coming for 1915.

Yours admirably,
Iowa. E. S.

Here is my dollar for the 1915 trip with HORTICULTURE. HORTICULTURE is all right.
New York. P. F.

Enclosed is post office order to pay for HORTICULTURE two years more. I like HORTICULTURE very much and hope to read it many more years.
N. Y. S. F.

One of the many good features of HORTICULTURE is, that those who contribute to its columns always "say something" when they write. I take this opportunity to offer sincere congratulations. "May your shadow never grow less."
Sincerely yours,
New York. P. F.

Editor HORTICULTURE:

Dear Sir:—I have been a subscriber to HORTICULTURE only about five weeks. I find in HORTICULTURE a paper of much importance. I hope to be a reader of it for the long future.

Mass. A. B.

"HORTICULTURE is the finest paper under the sun."
New Jersey. A.

Editor HORTICULTURE:

Dear Sir: — I have always been deeply interested in the letters of contributors in your paper, and find them very helpful.

Respectfully,
N. Y. C. C.

Dear Sirs — Enclosed please find one dollar for another year of the HORTICULTURE. My time is not up yet, but it won't be long. All I can say about your paper is that it is the best of its kind, and I read them all.
R. I. J. B.

Enclosed are two dollars in payment for your very valuable paper. I find its contents timely and instructive.

Sincerely,
Conn. C. S.

Gentlemen: — My paper did not arrive as usual on Saturday. It is all I have to look forward to each week; do not allow that to fail me. Kindly send one along at express rate.

Yours truly,
N. J. G. W.

Gentlemen:—Will you please discontinue my classified gladioli advertisement now running in your paper? I am sold out of nearly all varieties, especially those called for by your readers, and hope to have as good success with you next year.

Yours truly,
Mass. R. W. S.

When Writing to Advertisers Please Mention Horticulture

SEED TRADE

AMERICAN SEED TRADE ASSOCIATION

Officers—President, Lester L. Morse, San Francisco, Calif.; First Vice-President, J. M. Lupton, Mattituck, L. I.; Second Vice-President, L. C. Dungan, Philadelphia, Pa.; Secretary and Treasurer, C. E. Kendel, Cleveland, O.; Assistant Secretary, S. T. Willard, Jr., Cleveland, O.

On to San Francisco

By the time this issue of HORTICULTURE is in the hands of our readers, the "Seedsmen's Special" via the Santa Fe R. R. will be on its way to the Pacific Coast. We trust that all who make the trip may enjoy every moment of the time. A number are planning to do the Yellowstone on their return journey, and to those who have not seen the marvelous wonders of this region, it will be a treat they will never forget.

Crop Outlook and Estimates.

We have been endeavoring to secure some reliable crop data, as it is the time of the year when crop news is of special interest to the trade, and believe we can give a substantially accurate report of conditions to date. Owing to the very unfavorable weather of last summer, coupled with the demoralization caused by the war in Europe, neither France, England, Holland nor Denmark raised a sufficient number of plants for their biennial seed crops to produce the desired quantities in 1915. This shortage of plants was further increased by a very unfavorable winter, and from present indications such items as beets, cabbage, carrots, mangels, turnips and swedes will be in decidedly short supply next autumn, and prices will undoubtedly rule much higher than a year ago. As to annuals, it is difficult to estimate what the crops of these will be, but we would judge that they would be more abundant than the biennials. In estimating seed crops we must not overlook the fact that a considerable quantity of beets and carrots will be produced in this country the coming season, which will very materially help the shortage from the other side. This will also apply to certain annuals, such radish, egg plant and peppers.

California seed crops are reported as promising excellent results with the exception of salisfy, which will undoubtedly be short. It is as yet too early to say much about peas, beans

and corn, but we are confident they have reached us generally agree that the prospects for the coming season are not that baring extremely hot weather during the next two or three weeks, the yield both of seed and of green crops for seed purposes will be large, although the acreage has been considerably reduced from that of last year. This applies to peas planted for seed purposes, as well as for canning. The weather just now is very favorable for the planting of beans, and we understand that most beans planted for seed purposes are already in the ground. The frost which occurred some two weeks ago, while it did very serious damage to tender vegetables, and small fruits including grapes, was not quite as disastrous as early reports indicated. Considerable replanting has been necessary by truck farmers, but neither the large canning companies nor the seed growers had planted any considerable percentage of their beans, and of course they escaped all damage.

It must be remembered in connection with these crop reports that it is a considerable time until harvest, and that many vicissitudes may overtake the growing crops in the mean time, but the very favorable conditions at this date will be gratefully appreciated by the trade.

Notes.

Fargo, N. D.—The firm of Landblom & Vincent have dissolved partnership and the business will hereafter be conducted as the H. L. Landblom Seed Co.

Retail trade has largely ended for this season. There is still some business doing in plants and ensilage seeds, but for all practical purposes the season may be said to have ended.

The value of agricultural imports at the port of New York for the week ending May 29, is given as follows: fertilizer, \$402; clover seed, \$9312; grass seed, \$8701; trees and plants, \$4895.

In a recent issue of HORTICULTURE a correspondent stated that the forthcoming convention of the American Seed Trade Association in San Francisco will be the first time that the Association has held its convention west of Chicago. We have to apologize for this mistake, as we recall two occasions when the convention was held west of the "Windy City," at Minneapolis in 1892 and at St. Louis in 1904.

The seed business conducted for the past 25 years as a partnership under the firm name of H. G. Hastings & Co., Atlanta, Ga., has been changed to corporate form. The new corporation has taken over the entire business, dating from June 1, 1915, and will operate under the corporate name of H. G. Hastings Co. This change to corporate form does not carry with it any change in personnel, management or policies of the business. The officers are as follows: H. G. Hastings, president; H. W. Brown, vice-president; R. F. Lyon, secretary; W. F. Wotten, treasurer. Directors will be in addition to list of officers as follows: W. R. Hastings, and W. W. Freeborn.

Pansy Seed NEW CROP

GIANT EXHIBITION MIXED. A Giant strain which for size of bloom, heavy texture and varied colors and shades, cannot be surpassed. Half trade pkt. 50c; 50c per trade pkt. 1 lb. oz. 75c, \$5.00 per oz.

TRIUMPH OF THE GIANTS, MIXED. Produces on long stems, flowers of extra large size; petals broad and overlapping, many beautiful rich and rare shades.

GIANT TRIMARDEAU, MIXED. Very large flowering; choice colors. Trade pkt. 50c; \$1.00 per oz.

GIANT PRIZE, SEPARATE COLORS		Tr. pkt.	Oz.
Giant Azure Blue	.....	\$0.40	\$1.75
Giant Black Blue	.....	40	1.75
Giant Emperor William Blue	.....	40	1.75
Giant Hortensia Red	.....	40	2.50
Giant King of the Blacks	.....	40	1.75
Giant Lord Beaconsfield, Purple-Violet	.....	40	1.75
Giant Peacock, Blue, Claret and White	.....	40	2.50
Giant Snow Queen, Pure White	.....	40	1.75
Giant Striped and Mottled	.....	40	1.75
Giant White, with Eye	.....	40	1.75
Giant Pure Yellow	.....	40	1.75
Giant Yellow, with Eye	.....	40	1.75

Also Cineraria, Daisy, Myosotis, Primula and all other Seasonable Seeds, Bulbs and Supplies.

LATEST WHOLESALE CATALOG, FREE FOR THE ASKING.

HENRY F. MICHELL CO.
518 Market St., Phila.

Burpee's Seeds PHILADELPHIA

BLUE LIST OF WHOLESALE PRICES
MAILED ONLY TO THOSE WHO PLANT
FOR PROFIT.

J. BOLGIANO & SON WHOLESALE FIELD AND GARDEN SEEDS

Established 1818

Write For Our Low Prices

LIGHT, PRATT and ELLICOTT STS.
BALTIMORE, MD.

SEEDS FOR PRESENT PLANTING

BEGONIAS, ANTIRRHINUM
STOCKS, LOBELIAS,
VERBENAS, ETC.

THOS. J. GREY CO.
32 So. Market St., Boston.

CABBAGE & TOMATO PLANTS

(leading varieties), 30c. per 100 by Parcel Post; by Express 75c. per 500; \$1.00 per 1000; 10,000 and over 85c. per 1000; 100,000 at 75c. per 1000.

R. VINCENT, Jr., & SONS CO.
WHITE MARSH, MD.

Sweet Potato Plants

Also pepper, cauliflower, tomato, cabbage, beet, lettuce, celery, parsley, kohlrabi, endive plants, egg plants, asparagus roots. Tomato plants 8 to 9 inches high, cabbage and pepper 7 to 8 inches high. All plants extra nice. Am shipping out thousands.

WARREN SHINN, Woodbury, N. J.

CUT YOUR EXPENSES

as well as your glass economically, effectively, "splinter-free" with

"Red Devil" Glass Cutters

No. 3-In-1 mailed for 25c. Kid Case Free. It's worth your while to test our claims.

SMITH & HEMENWAY CO., Inc.
181 Chambers St., New York City

BEGONIAS

FARQUHAR'S TUBEROUS ROOTED

The great value of Tuberous Rooted Begonias for Lawn Beds and Borders is appreciated owing to the continuous production of large and gorgeous flowers.

Single and double varieties in the following colors:—Crimson, Scarlet, Pink, White, Orange and yellow.

Write for Prices

R. & J. FARQUHAR & CO.
6 SOUTH MARKET ST., BOSTON, MASS.



SUMMER FLOWERING BULBS

BEGONIA, GLOXINIAS, CALADIUM, GLADIOLUS HARDY JAPAN LILIES

For Forcing—Lilium Giganteum and Lily of the Valley from our Cold Storage

FOTTLER, FISKE, RAWSON CO., THE SEED STORE BOSTON
Faneuil Hall Square

J. W. Edmundson, Mgr. M. W. Williams, Sec'y
California Seed Growers Association, Inc.
Growers For Wholesale Dealers
SAN JOSE CALIFORNIA

HARDY LILIES for IMMEDIATE SHIPMENT

From Cold Storage Warehouse

	Size	per case	Price
Speciosum Rubrum.	8-9	225	\$12.50
"	9-11	125	12.50
"	11-13	100	12.50
Multiflorum	6-8	400	15.00

Send for complete catalogue on all bedding plants.

ROMAN J. IRWIN, 108 West 28th St. NEW YORK

W. E. MARSHALL & CO.
SEED, PLANTS AND BULBS
Horticultural Sundries

166 W. 23rd St., NEW YORK

BURNETT BROTHERS

Importers and Growers of

SEEDS, BULBS, PLANTS, &c.

98 Chambers Street, New York

"SEEDS WITH A LINEAGE"

Seeds with a generation of finest flowers and vegetables back of them—carefully selected—really tested.

Write today for Catalog.

CARTER'S TESTED SEEDS, Inc.
166 Chamber of Commerce Bldg.
Boston, Mass.

QUALITY SEEDS BULBS PLANTS

SEND FOR CATALOGUE.
ARTHUR T. BODDINGTON
342 West 14th St., New York.

Carry Out Your Plans With

Thorburn's Seeds

Whatever your plans are for autumn flowers or plants, we have some appropriate seed which will give its support to your ideas.

Our stocks of seeds are so complete, and varied, that we call it a rainbow-range of color.

You would like to get our catalogue. Write

J. M. THORBURN & CO.

53 Barclay St. through to 54 Park Place
NEW YORK.

Seedsmen requiring the very best selections of

Garden Seeds

(VEGETABLE AND FLOWER), especially

Kelway's Celebrated English Strains

can get them at lowest independent wholesale rates by sending their orders direct to

KELWAY & SON

Wholesale Seed Growers

LANGPORT, SOMERSET, ENGLAND

Special quotations on application

S. S. SKIDELSKY & CO.

BULBS, PLANTS and SEEDS

1218 Betz Bldg., Philadelphia

Catalogue on application

NEW PRICE LIST Of My Celebrated Winter-Flowering **ORCHID SWEET PEAS**

will be out in June. If you are not on our mailing book, send your name and proposal.

ANT. C. ZVOLANEK

Sweet Pea Ranch, LOMPOC, CALIF.

Place your order now for Ayres' Winter Flowering

SWEET PEA SEED

S. BRYSON AYRES CO.

"Renowned Sweet Pea Specialists"

SUNNYSLOPE, INDEPENDENCE, MO

NEW CROP SEEDS

FOR FLOEBISTS

Ask for 1915 Catalogues

Joseph Breck & Sons Corp.

Seedsmen

47-54 No. Market St., BOSTON, MASS.

It is our BUSINESS to supply you with

SUPERIOR GLADIOLI

JOHN LEWIS CHILDS

FLOWERFIELD, L. I., N. Y.

**When Writing to Advertisers Kindly
Mention HORTICULTURE**

ALEX. McCONNELL611 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or instructed by the trade to our selection for delivery on steamships or elsewhere receive special attention.

*Cable Address: Foreign Florists
Must be prepaid*

Reference or cash must accompany all orders from unknown correspondents.
Cable Address, ALEXCONNELL.

G. E. M. STUMPP

761 Fifth Ave.

NEW YORK CITY

Member Florists' Telegraph Delivery Asso.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to
New York City

Or OUT-GOING STEAMERS

Write or Telegraph

2139-2141 Broadway, - New York
Telephone 1662-1663 Columbus

Established 1874

DARDS**FLOREST**

N. E. Cor. 44 St. & Madison Avenue, N. Y. City
(Member Florists' Telegraph Delivery Asso.)

Flowers shipped on all Steamers. Special Correspondence in all the large cities of Europe and the British Colonies. Telegraph and Cable address, Dardsflor.

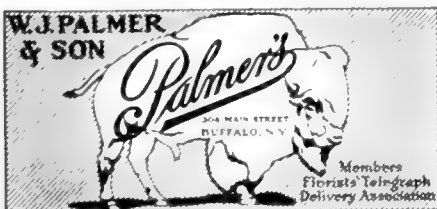
MyerNEW YORK
609-611 Madison Ave.

Choicest cut flowers and
designs for all occasions. Steamer and theatre flowers a specialty.

Member Florists Tel. Delivery. Wire Me Your Orders

YOUNG & NUGENT42 West 28 Street
New York

Members Florists' Telegraph Delivery

**S. A. ANDERSON**

440 Main St., Buffalo, N. Y.

ANDERSON service means fresh, sturdy stock, and prompt deliveries in BUFFALO, LOCKPORT, NIAGARA FALLS and WESTERN NEW YORK.

Members of Florists' Telegraph Delivery.

When writing to advertisers kindly mention **HORTICULTURE**.

Of Interest to Retail Florists**NEW FLOWER STORES.**

Marion, Ind. George Hutton.

New Brighton, Pa. H. L. Thompson 813 Third Avenue

Muskegon, Mich. Butterworth Floral Co., Terrace street.

Jersey City, N. J. Fred H. Dressel, Jr., 137 Newark Avenue; James A. Sullivan, 277 Grove street.

Chicago—Christ Pedersen, 58 East Randolph street store, 25 ft. x 50 ft. Later on candy and fruit may be added. Mr. Pedersen took possession on the 5th. E. Panisusik, 1616 W. Madison street.

AN INSTITUTION AND ITS ETHICS.

Advertising men can speak more boldly than they once could about the ethics of their calling. When a profession has put its ideals into a code, it has removed the mark of experiment from its name and taken its place among accepted institutions. Medicine and the law have built up their codes by years of strict adherence to the principles of their ablest exponents. Now comes advertising with its own particular code.

Even one not familiar with the intricate mechanism of modern publicity appreciates its enormous growth in recent years. He need not be engaged in business to realize its influence. Skilled writers introduce their taking phrases into the vocabulary of his household. Wherever he turns he encounters the subtle influence of the advertising man. One morning he opens his paper to find his church is advertising its Sunday services.

If he seeks the reason for the growing dependence of readers of the printed page upon what appears in advertising type, he will learn that many publishers guarantee their readers against dishonest advertisers, that many states have enacted laws covering this matter, that first-class publications refuse objectionable and misleading copy, that advertising has its persona non grata class. He learns that these restrictions are self-imposed; that the movement for the elimination of dishonest advertising had its start within the advertising fraternity.

As proof of the standing this latest profession has attained, he learns that the president of the United States has accepted an invitation to appear before a large gathering of advertising men in Chicago to address them on honesty in business, that Cabinet members will attend, that the Governor of Illinois indorses this work and that the Mayor of Chicago has officially recognized this gathering by proclaiming "Advertising Week." Advertising has gained dignity; men of affairs recognize its power and call it to their aid.

JOHN BREITMEYER'S SONSCor. Broadway and Gratiot Aves.
DETROIT, MICH.**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good sections of Ohio, Indiana and Canada.
Members Florists' Telegraph Delivery Association.

THE ROSERY

23 STEUBEN ST.

ALBANY, N. Y.**FLOWER DELIVERIES FOR ALBANY AND VICINITY**

Members Florists' Telegraph Delivery

Danker

Albany, N. Y.

Not How Cheap
But How Good.**Capital of the Empire State**

Member F. T. D. A.

**WASHINGTON,
D. C.****GUDE'S**Member Florists
Telegraph
Delivery**SAMUEL MURRAY**Kansas City, Mo.
1017 Grand Ave.

Member of the Florists' Telegraph Delivery

The Park Floral Co.

J. A. VALENTINE, Pres.

Member Florists' Telegraph Delivery.
DENVER, COLORADO

Rochester, N. Y.

**J. B. KELLER SONS,
FLORISTS**

25 Clinton Avenue, N.

Rochester Phone 306. Long Dist. Bell Phone 2180
Members Florists Telegraph Delivery

"THE HOME OF FLOWERS"

The largest cut flower store in America.
Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

**HOLM & OLSON, Incorporated
ST. PAUL, MINN.****RANDALL'S FLOWER SHOP**

HARRY I. RANDALL, Proprietor.

Phone: Park 94

3 PLEASANT ST., WORCESTER, MASS.

Member Florists Telegraph Delivery Association

CHICAGO Send Your Orders to WILLIAM J. SMYTH

Member Florists' Telegraph
Delivery Association

Michigan Ave. at 31st Street

Prompt Auto Delivery
Service

CHICAGO
And Neighboring Towns
Are Thoroughly Covered by
SCHILLER, THE FLORIST
(Member Florists' Telegraph Delivery).

Flowergram or Mail Orders from florists
anywhere carefully filled and delivered
under the supervision of

GEORGE ASMUS, Mgr.
2221-2223 W. Madison St., CHICAGO.
Phone West 822

THOS. F. GALVIN
INC.
NEW YORK 561 Fifth Ave.
Vanderbilt Hotel
BOSTON 1 Park Street
799 Boylston Street
Deliveries to Steamers and all Eastern Ports

CLEVELAND
A. GRAHAM & SON
5523 Euclid Ave.
Will take good care of your orders
Members of F. T. D. Association.

WASHINGTON
915 F ST. N. W.
F. H. KRAMER
Auto delivery of Designs and Flowers to
any address in Washington.
Stock and Work First Class

F. R. PIERSON CO.
FLORISTS AND
PLANTSMEN
TARRYTOWN ON HUDSON, - N. Y.

ALBANY, N. Y.
EYRES
Flowers or Design Work
DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER
11 NORTH PEARL STREET, ALBANY, N. Y.

ST. LOUIS, MO.
FRED C. WEBER
4326-28 Olive St.

Member Florists' Telegraph Delivery Association
NOTICE INITIALS. We have one store only

Flowers by Telegraph

Leading Retail Florists Listed by
Towns for Ready Reference. Orders
transferred by telegram or otherwise
to any of the firms whose address is
here given will be promptly and prop-
erly filled and delivered.

Albany, N. Y.—Danker.
Albany, N. Y.—H. G. Eyres, 11 N. Pearl
St.
Albany, N. Y.—The Rosery, 23 Steuben
St.
Boston—Thos. F. Galvin, 1 Park St.
Boston—Penn. the Florist, 37-43 Brom-
field St.
Buffalo, N. Y.—S. A. Anderson, 440 Main
St.
Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago, Ill.—Schiller the Florist, George
Asmus, Mgr.
Chicago—William J. Smyth, Michigan
Ave. and 31st St.
Cleveland, O.—J. M. Gasser Co., Euclid
Ave.
Cleveland, Ohio—Adam Graham & Sons,
5523 Euclid Ave.
Denver, Col.—Park Floral Co., 1643
Broadway.
Detroit, Mich.—J. Breitmeyer's Sons,
corner Broadway and Gratiot Ave.
Houston, Tex.—Kerr, The Florist.
Kansas City, Mo.—Samuel Murray, 1017
Grand Ave.
New London, Conn.—Reuter's.
New York—David Clarke's Sons, 2139-
2141 Broadway.
New York—Alex. McConnell, 611 5th Ave.
New York—Young & Nugent, 42 W. 28th.
New York—Dards, N. E. corner 44th St.
and Madison Ave.
New York—Max Schling, 22 W. 59th St.
New York—G. E. M. Stumpp, 761 Fifth
Ave.
New York—Thos. F. Galvin, Fifth Ave.,
at 46th St.
New York—Myer, 609-611 Madison Ave.
New York—A. T. Bunyard, 413 Madison
Ave.
New York—National Floral Corporation,
220 Broadway.
Norwich, Conn.—Reuter's.
Omaha, Neb.—Hess & Swoboda, 1415
Farnum St.
Rochester, N. Y.—J. B. Keller Sons, 25
Clinton Ave., N.
St. Louis, Mo.—Fred C. Weber, 4326-28
Olive St.
St. Paul, Minn.—Holm & Olson, Inc.
Tarrytown-on-Hudson, N. Y.—F. R. Pier-
son Co.
Toronto, Can.—J. H. Dunlop, 96 Yonge
St.
Washington, D. C.—Gude Bros., 1214 F
St.
Washington, D. C.—F. H. Kramer, 915
F St., N. W.
Westerly, R. I.—Reuter's.
Worcester, Mass.—Randall's Flower Shop,
3 Pleasant St.

BEWARE.

We find it necessary to again warn
the trade against giving money for
subscriptions for "Horticulture" to
traveling solicitors. "Horticulture"
gives no premiums and has no sub-
scription solicitors on the road. Any
such claiming to represent this paper
are impostors and sharpers.

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High Grade Valley and Sweet Peas

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Anything and everything the market affords in Cut Flowers and Greens
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ROSES, VALLEY and
CARNATIONS
A Specialty

WHOLESALE
GROWER of

CUT FLOWERS

PRICES
AS
LOW
AS
OTHERS

NEWS ITEMS FROM EVERYWHERE

CHICAGO.

The thermometers at Frank Oechlin's registered 96 degrees on last Sunday.

A car load of palms has just been received from Belgium by Poehlmann Bros.

Mr. and Mrs. C. L. Washburn will leave for California, July 4, to visit relatives. They will remain till after the convention.

Helen Massey Rudd, daughter of Mr. and Mrs. W. N. Rudd, and Roy Mortimer Arnold were married at Blue Island, Ill., on Saturday, June 5.

J. A. Budlong has anticipated the call for lily of the valley and the June brides will have as fine a supply of their favorite flower this year as ever.

The big loop buildings are fast getting summer frills on, in the shape of very tasty window boxes. Last year Chicago led all the large cities in the miles of window boxes in its business district.

Everett Peacock who now has a flower store at 4013 Milwaukee Ave., will open another on June 12, at 4456 N. Western Ave. to be known as The Sunnyside store. Mr. Everett does a great deal of landscape gardening in connection with his work as a florist.

At the election June 7, the voters of Chicago approved of the issuance of one million dollars in bonds by the West Park system for the creation of a 54 acre park between Harrison and Adams Sts. west of Central Park Ave. Small parks on the west side will also show in the appropriations.

Some good advice is being received by Chicago florists this week. It comes from a leading pottery firm and is so good we give it in full, with an addition of two words, "Early to bed, early to rise; Cut the weeds and swat the flies; Mind your business and don't tell lies; Pay your debts; use enterprise; and buy from those who advertise" in *Horticulture*.

Ophelia rose has some warm champions in this vicinity. C. L. Washburn has expressed himself as perfectly sat-

isfied with it so far. Since September he has been cutting steadily and his customers are very much pleased with the color and keeping qualities of Ophelia. Phil Schupp says they have been more than pleased with the four of this rose this year and feels sure it is going to be a permanent commercial variety.

A. Miller of the A. Henderson Co., has lately returned from a business trip to Texas and other southern states. In the Lone Star state he found the season about over, summer heat prevailing there. This firm is now busy filling their orders for poinsettias and cyclamen, the latter growing more popular each year with growers. This is especially noticeable since the great improvement in varieties offered.

Outdoor work, from that of the simplest bedding to that of the highest product of the "landscape engineer" is far behind the date fixed by custom for completing the spring work. After nearly a month of rain the few days of warmth and sunshine were quickly followed by a drop in temperature. With 96 degrees in the shade on Sunday every one was out of doors and the result was that a new batch of orders was added to the long list of unfilled ones already waiting. That the temperature dropped again to almost winter was a blessing to those who have the waiting beds to fill for our short summers make owners impatient of delay.

BOSTON.

E. Allan Peirce is home from the Rose Garden celebration at Washington, very enthusiastic over the event and the courtesies enjoyed.

Miss Lillian A. Calder, daughter of Mr. and Mrs. Augustus P. Calder of Brookline, Mass., was married on Wednesday evening, June 9, at the home of her parents, to William E. Kelly. The bride was given in marriage by her father. After the wedding journey the couple will reside in Jones road, Beachmont.

NEW YORK.

Frank R. Pierson, home from the Galvin banquet in Boston, declares it to have been the finest he ever attended.

Walter Gott, representing Sander & Sons, St. Albans, Eng., sails for home on the St. Louis of the American Line on Saturday, June 19.

Jos. A. Burdeau, attorney, 233 Broadway, is adjusting the affairs of O. V. Zangen, formerly of Hoboken, N. J., now in Florida, on a compromise basis with his creditors.

The rooms of the New York Flower Mission, 104 East 20th street, will be open every Monday and Thursday during the summer for the reception of flowers, fruits, and delicacies for sick poor in the hospitals and tenement houses. Boxes will be brought free of charge from all places within one hundred miles by the express companies. The mission also appeals for the assistance of women in making bouquets and distributing them in the hospitals.

The Brooklyn Botanic Garden has been opened to the public, and will remain open, free of charge, daily hereafter. The grounds have been closed to the public for over a year on account of regrading and the construction of new walks. Among the items of interest are a native wild-flower garden containing about one thousand different kinds of plants that grow wild within a radius of one hundred miles of the city, and a Japanese garden, said to be one of the most perfect of its kind in the United States, and the best example of one in a public park east of the Rocky Mountains.

PITTSBURGH.

J. W. Rhea, of the E. C. Ludwig Company, North Side, left on last Monday night for Toledo, Ohio, on a business trip of a week's duration.

DeForest W. Ludwig has returned from a three-months' trip through the

"HERE COMES THE BRIDE"

and she can't get along without the florist. June should be your **Busy Month.**

FOR THE JUNE WEDDING

we have **Lace Bridal Holders, Wedding Cords, Wedding Posts, Wedding Gates, Kneeling Stools, Gauze Chiffons** for Shower Bouquets; **Bridal Scarfs, Resting Baskets, Shepherd's Crooks, Directoire Staffs.**

Stunning Novelties—Our New Decorative Bird Cages on Stands and Single Bird Cages are the sensation of the season.

FOR COMMENCEMENTS AND GRADUATION GIFTS

Hi-Art Decorative Commencement Baskets and all other accessories.

Stock up now and have the goods to show customers. Send for prices and you will be astonished to see how much you can do with a little money when you go straight to headquarters

THE FLORISTS' SUPPLY HOUSE OF AMERICA

H. BAYERSDORFER & CO., 1129 Arch Street, PHILADELPHIA, PA.

far west visiting the leading retail florists and both Expositions. One of the delightful side stops en route was with John Bader, formerly president of the John Bader Company, and Mrs. Bader, now retired from business and living at Cottage Grove, Oregon.

At the Wagner-Shields wedding, at Leetsdale, Mrs. Williams used Killarney roses and snapdragon for the house decorations and the latter flowers with sweet peas caught with silver ribbon formed the bouquet of the attendant maids, while the bride carried lilies of the valley and white roses. Wicker baskets of sweetheart roses were carried by the little flower girl.

Mrs. E. A. Williams has an exceptionally striking show window this week—tall white wicker pedestals surmounted with baskets filled with pandanus and white dalias, each plant and cluster being tied with large bows of broad black and white striped ribbon, which also is festooned from place to place. Below is a mass of maiden-hair ferns, a dash of color appearing at one side in some gorgeous gloxinias.

At a wedding by Randolph & McClements the bride carried lilies of the valley showered with tulle, and her maids Dorothy Perkins roses with ribbon and maline. Spring flowers formed the decorations throughout the house, the bridal table in the billiard room having a centerpiece of pink hydrangeas caught with white maline. The porch was enclosed with a trellis covered with southern smilax and ramblar roses.

McCreery & Co., the leading department store in town, has added a section for cut flowers. A large representative grocery in the East End is also disposing of cut blooms. While the retail trade is rather low this week, conditions in general continue about the same. The glorious sun and a very little rain during the past week has made flowers in plenty. The plant-

ing season, which was interrupted by several weeks of cold and rainy weather, resumed again with renewed vigor, to continue through this month of June. The frost of a fortnight since has proved another blessing for the plantsman, most of the work done prior to that time having to be redone now. Window box work has never been so profitable.

SAN FRANCISCO.

J. A. Wood has moved his florist shop to new quarters in Woodland, Cal.

The Art Floral Co., on Powell street, is featuring a fine showing of lilies this week.

The United Flower & Supply Co. is installing a cold storage plant in the rear of its shipping station on Bush street.

Picetti & Lavazollo have succeeded the firm of Valmeni & Lavazollo as proprietors of the florist shop at 1457 Haight street.

The Jordan Park Floral Co., at 323 Clement street, has changed hands, F. E. Stratton taking over the business from G. H. Evans.

The flowers at the Exposition continue to attract much attention. The dahlias are coming out in fine shape, and larkspur, phlox, foxgloves and Canterbury bells appear in great quantity. The roses and sweet peas make a splendid showing.

An idea of the significance of convention life in the Exposition City is afforded by the fact that 65 conventions were scheduled for May, 31 for June, 133 for July and 249 for August. Each one means considerable extra business for the florists.

D. MacRorie, chairman of the executive committee of the S. A. F. Convention, met the chairman of the sub-committees, H. Plath, John McLaren, W. A. Hofinghoff, J. R. Fotheringham, A. J. Rossi, J. W. Gregg, V. Podesta and

F. J. Bertrand at a special meeting a few days ago, at which time various matters of mutual interest were discussed.

WASHINGTON.

Alfred E. and Sheldon A. Robinson, Luther A. Breck and C. H. Brackett used a large touring car in coming to Washington from their homes in Boston to attend the meeting of the American Rose Society.

Prof. F. L. Mulford, landscape gardener of the Department of Agriculture, has gone to central west and coast points for the purpose of making a study of ornamental plants, trees and shrubs suitable for shade purposes.

J. E. W. Tracy, assistant superintendent of testing gardens, has left for the west to inspect the contract fields in Ohio, Illinois, Kansas, Colorado, and California from which are obtained the vegetable and flower seeds used for Congressional distribution.

George H. Cooke created a very attractive decoration incident to the reception tendered by Governor Stuart, of Virginia, to visiting governors at Richmond, Va. The table decorations were made of Shawyer roses, white clematis and larkspur, the pink, white and blue combination being exceptionally pleasing. The mantlepiece was banked with American Beauty roses and in the other rooms, in addition to some of the flowers named, quantities of white peonies, cornflower and America gladioli were used.

Cincinnati—Mr. and Mrs. P. J. Olinger at their new home in Bellevue, Ky., are entertaining Mr. Olinger's father, John Olinger, and his brother-in-law, Lou Engelbracht, of Aurora, Ill.

Victor Morgan, representing Lord & Burnham Co., obtained for his firm the contract for the new O. B. Murphy house.

For School Commencements
and June Weddings

**VALLEY CATTLEYS
BEAUTIES**

A Large Supply of PEONIES
Let Us Know Your Requirements
Our Quotations Will Interest You

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supply dealer. Insist on having the
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Inscriptions, Emblems, etc. Always
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Supply of Best Cut Flowers all the Year Around
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If interested, send us your name and address for our weekly price list.

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AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE
SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED
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N. F. MCCARTHY & CO.,
112 Arch St., 31 Otis St.
**BOSTON'S BEST
HOUSE**

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI June 7		CHICAGO June 7		BUFFALO June 7		PITTSBURG June 7	
Roses								
Am. Beauty, Special.....	25.00	to 30.00	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00
" " Fancy and Extra.....	15.00	to 20.00	15.00	to 20.00	12.00	to 15.00	12.00	to 15.00
" " No. 1.....	8.00	to 12.50	10.00	to 15.00	6.00	to 10.00	6.00	to 10.00
Killarney, Richmond, Extra.....	6.00	to 8.00	6.00	to 8.00	5.00	to 7.00	6.00	to 10.00
" " Ordinary.....	4.00	to 6.00	3.00	to 5.00	2.00	to 4.00	2.00	to 4.00
Hillingdon, Ward, Sunburst, Extra.....	6.00	to 8.00	6.00	to 8.00	6.00	to 9.00	6.00	to 8.00
" " Ordinary.....	4.00	to 6.00	3.00	to 5.00	2.00	to 4.00	2.00	to 4.00
Arenberg, Radiance, Taft, Extra.....	8.00	to 10.00	6.00	to 8.00	6.00	to 8.00	6.00	to 12.00
" " Ordinary.....	6.00	to 8.00	3.00	to 5.00	2.00	to 6.00	.....	to 4.00
Russell, Hadley, Ophelia, Mock.....	3.00	to 1.00	4.00	to 20.00	5.00	to 10.00	6.00	to 12.00
Carnations, Fancy.....	2.00	to 3.00	1.00	to 4.00	2.00	to 2.50	.....	to 3.00
" " Ordinary.....	.....	to 1.50	1.00	to 2.00	1.00	to 2.00	.....	to 2.00
Cattleyas.....	40.00	to 50.00	35.00	to 50.00	25.00	to 50.00	.....	to 50.00
Dendrobium formosum.....	.....	to 10.00	.....	to 12.00	6.00	to 8.00	6.00	to 8.00
Lilies, Longiflorum.....	8.00	to 10.00	.....	to 12.00	.....	to 5.00	.....	to 5.00
" " Rubrum.....	.....	to 4.00	.....	to 4.00	.....	to 4.00	3.00	to 4.00
Lily of the Valley.....	.....	to 1.00	.....	to 2.00	1.00	to 1.50	1.00	to 2.00
Daisies.....	2.00	to 3.00	1.00	to 5.00	2.00	to 3.00	.....	to 3.00
Stocks.....	6.00	to 8.00	4.00	to 6.00	3.00	to 5.00	.....	to 6.00
Snagdragon.....	4.00	to 6.00	4.00	to 6.00	4.00	to 6.00	.....	to 6.00
Gladioli.....	2.00	to 4.00	4.00	to 8.00	3.00	to 5.00	2.00	to 8.00
Peonies.....	.50	to 1.00	.....	to 1.00	.15	to .25	.50	to 1.00
Sweet Peas.....	.....	to 2.00	15.00	to 20.00	20.00	to 25.00	.....	to 25.00
Gardenias.....	.....	to 1.00	1.00	to 1.25	1.00	to 1.25	1.00	to 1.25
Adiantum.....	15.00	to 20.00	15.00	to 20.00	.....	to 15.00	15.00	to 20.00
Smilax.....	.....	to 50.00	50.00	to 60.00	40.00	to 50.00	40.00	to 50.00
Asparagus Plumosus, Strings (100)	25.00	to 35.00	25.00	to 35.00	25.00	to 35.00	40.00	to 50.00
" " & Spreng. (100 bchs.)	to 35.00	to 35.00	to 35.00	to 35.00

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"The" Wholesale Florist of Cincinnati
32-34-36 East Third Street
Consignments Solicited. Complete stock of
Florists' Greens and Supplies.
Mention Horticulture when writing.

Wired Toothpicks
Manufactured by
W. J. COWEE, Berlin, N. Y.
10,000....\$1.75. 50,000....\$7.50. Sample free
For sale by dealers.

E. G. HILL CO.
Wholesale Florists
RICHMOND, IND.
Please mention Horticulture when writing.

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Wholesale Florists
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264 RANDOLPH ST., DETROIT, MICH.

Flower Market Reports

BOSTON A rather slow market is the story "in a nutshell" this week. Roses and carnations are the worst sufferers from this condition, carnations especially. Lily of the valley is the one exception. Yellow daisies are doing pretty well, however. Peonies, which have been quite plentiful have shortened up and a better price for the time being is the result. Local peonies have not yet opened up. Stocks, astilbe and similar material do well if they sell at any price, and snap dragons are not much better. Spanish iris after having made an excellent record, are about finished. Gladioli of the Blushing Bride type are almost unsalable but America and Augusta bring good prices.

The demand for flowers **CHICAGO** did not stop suddenly following Memorial Day as so often happens, but orders continued to come in all the week. Local trade was not up to shipping trade, however, and an accumulation of stock would have followed had outside demand ceased to any great degree. Up to the end of the week, the bulk of all kinds of stock sold at good prices, with the exception of long stemmed American Beauties, which do not move quickly even at a low price. They can be bought at the price of medium lengths at some of the largest houses, but even at that, sales lag. The second week in June opens with a cold rain, preceded by a Sunday of mid-summer weather which had brought out a large amount of stock. Monday the cut made on Sunday could not be disposed of and Tuesday stock was accumulating. Carnations are most in excess of demand and large lots can be moved only at a low figure. Peonies are being cut now by local growers. The frost that came while the buds were forming is now showing effect in some localities. All kinds of roses are to be had in almost any quantity.

Business is rather **CINCINNATI** slow. The larger part of the commencement season was over at the end of last week, leaving only a few minor ones for this week. The demand for weddings while fair is not overly brisk. The supplies in most all lines are more than sufficient for requirements. Rose receipts contain many excellent blooms of the newer varieties. Gladioli generally have a pretty fair market. Lilies are plentiful, some of the offerings in outdoor sweet peas are very fine. Lily of the valley and orchids are meeting with a pretty good call.

Local wholesale dealers **NEW YORK** forecast the worst week of the season this time. We hope the outcome will be quite the reverse but must acknowledge that the symptoms are not very encouraging. All kinds of stock are coming in very freely and there is really a very light demand for anything. Peonies have been lumbering up the counters almost after the fashion of the chrysanthemums in their season. But this will not last long and

PEONIES

For June Wedding and Commencement work, a choice lot of the newer and better varieties—delicate pinks, whites, reds and the darker pinks, splendid quality and in any quantity.

\$30.00, \$40.00 and \$50.00 per 1000

VALLEY Special, \$4.00 per 100.

Extra, \$3.00 per 100.

GARDENIAS \$3.00 per dozen.

CATTLEYAS \$6.00 per dozen.



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NEW YORK, 117 West 28th St.
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WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON June 10		ST. LOUIS June 7		PHILA. June 7	
Roses						
Am. Beauty, Special	12.00	to 16.00	20.00	to 30.00	20.00	to 25.00
" " Fancy and Extra	8.00	to 10.00	10.00	to 15.00	12.00	to 20.00
" " No. 1	3.00	to 6.00	5.00	to 8.00	5.00	to 10.00
Killarney, Richmond, Extra	3.00	to 5.00	3.00	to 5.00	5.00	to 8.00
" " Ordinary	1.00	to 3.00	2.00	to 3.00	1.00	to 4.00
Hillingdon, Ward, Sunburst, Extra	3.00	to 5.00	5.00	to 6.00	4.00	to 8.00
" " Ordinary	1.00	to 3.00	3.00	to 4.00	2.00	to 3.00
Arenberg, Radiance, Taft, Extra	3.00	to 5.00	.....	to 4.00	4.00	to 8.00
" " Ordinary	1.00	to 3.00	.....	to 1.00	1.00	to 3.00
Russell, Hadley, Ophelia, Mock	2.00	to 8.00	5.00	to 6.00	8.00	to 12.00
Carnations, Fancy	1.50	to 2.00	2.00	to 3.00	2.00	to 4.00
" " Ordinary	1.00	to 1.50	.75	to 1.00	1.00	to 2.00
Cattleyas	20.00	to 35.00	35.00	to 40.00	25.00	to 50.00
Dendrobium formosum	.....	to 40.00	40.00	to 50.00	25.00	to 50.00
Lilies, Longiflorum	4.00	to 6.00	4.00	to 5.00	5.00	to 8.00
" " Rubrum	.....	to 4.00	.....	to 5.00	.....	to 8.00
Lily of the Valley	.....	to 4.00	3.00	to 4.00	1.00	to 4.00
Daisies	.50	to 2.00	.30	to .50	.50	to 1.00
Stocks	1.00	to 1.50	4. x	to 5.00	1.50	to 3.50
Snapdragon	2.00	to 3.00	2. x	to 4.00	.50	to 3.00
Gladioli	3.00	to 6.00	3.00	to 4.00	2.00	to 6.00
Peonies	1.50	to 4.00	4.00	to 5.00	2.00	to 4.00
Sweet Peas	.25	to 1.00	.25	to 5. x	.50	to 1.50
Gardenias	10.00	to 12.00	1.00	to 2.00	15.00	to 25.00
Adiantum	.50	to 1.00	1.00	to 1.25	.....	to 1.00
Smilax	12.00	to 15.00	20.00	to 25.00	.....	to 20.00
Asparagus Plumosus, Strings (100)	25.00	to 30.00	35. x	to 50.00	.....	to 50.00
" " & Spren. (100 Bchs.)	25.00	to 35.00	15.00	to 20.00	25.00	to 50.00

then the regular goods may get a hearing. Not much time left for them though. Cattleyas of great beauty are seen on all sides, with no takers. These regal flowers are no longer in the exclusive or specialty class. All wholesale dealers are receiving them in quantity. There are far too many sweet peas and lilies are a burden.

The continued **PHILADELPHIA** cool, cloudy weather of the past week or two has proved a boon to the flower trade here. This condition has not only had an excellent effect in holding over-supply in check but it has also had remarkable influence on the quality of nearly all stocks arriving at this season. Not for many years have we had such ideal conditions. Peonies, roses, carnations, and

many other staple lines are all above the average quality for this time of year. Added to these favorable conditions there have been quite a number of large orders from distant points which helped to firm up the price situation all along the line. Sweet peas of the higher grades have sold well, but there is little call for medium stock and sales are hard to make even at ridiculous figures. Gardenias in fair supply and demand good. Lilies very plentiful and prices have materially receded for the time being. Callas almost done—a few stragglers. Snapdragon coming in sparingly and under standard as to quality. Rambler rose sprays are a strong feature—Tausendschoen from local points and Dorothy Perkins from Washington.

(Continued on page 795)

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Laurel, Hemlock, all Decorating Evergreens.

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NEW YORK QUOTATIONS PER 100. To Dealers Only**ROSES AND CARNATIONS**

	Last Half of Week ending June 5 1915		First Half of Week beginning June 7 1915	
American Beauty, Special	15.00	to 20.00	15.00	to 20.00
" " Fancy and Extra	6.00	to 10.00	4.00	to 10.00
" " No. 1	7.00	to 10.00	3.00	to 10.00
Killarney, Richmond, Extra	4.00	to 6.00	3.00	to 4.00
" " Ordinary	1.00	to 3.00	1.00	to 2.00
Hillingdon, Ward, Sunburst, Extra	4.00	to 6.00	3.00	to 4.00
" " Ordinary	1.00	to 4.00	1.00	to 2.00
Maryland, Radiance, Taft, Extra	4.00	to 6.00	2.00	to 5.00
" " Ordinary	1.00	to 3.00	1.00	to 2.00
Russell, Hadley, Ophelia, Mock	2.00	to 12.00	2.00	to 10.00
Carnations, Fancy	2.00	to 3.00	1.50	to 2.00
" " Ordinary	1.00	to 2.00	1.00	to 1.50

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101 W. 28th St., NEW YORK

We have 20 years' experience behind us.
Telephone, Madison Square 896 and 897.



Flower Market Reports

(Continued from page 793)

SAN FRANCISCO business was well up to expectations locally. Supplies were plentiful; both wholesale and retail stocks cleaned up closely and a gratifying feature is the fact that business for June is opening up nicely, graduation exercises, weddings and the large number of special affairs at the Exposition having created sufficient extra demand to offset the usual post-holiday dullness. The trade considers prospects better than usual for summer business on account of so many eastern visitors coming to the Exposition and many families who spend the vacation out of town ordinarily staying home this year. Stock is plentiful this week. Sweet peas are in ample supply; the quality is the best so far this season and the demand is excellent. Lavender is very popular and white and pink both have a good call. Graduation exercises are taking a good many carnations, white ones in particular. Dahlias are coming in more freely, and a larger variety of gladioli is appearing. Offerings of America are being readily absorbed and Panama is in good demand. There is little change in the rose situation, the demand being satisfactory and all kinds plentiful with the exception of long-stem American Beauties. The latter have been rather scarce for some time and large Exposition decorations the past week practically drained the market. Mrs. Aaron Ward is cleaning up nicely, and Sunburst, while not quite so popular, is in good demand also. Hadley has a good call and Ophelia seems to be replacing Taft to a considerable extent. Mrs. Chas. Russell cleans up each day, and Cecile Brunner continues in favor.

The local wholesale

ST. LOUIS market was in an overcrowded condition all of last week demand not being sufficient to consume half of the receipts. Prices on select stock are extremely low. Roses and carnations are hard to move. Lilies and sweet peas are still coming in heavy. Peonies, candidum lilies, cape jasmine, and other outdoor stock are in large abundance.

The present week

WASHINGTON opened up with the first real signs of warm weather and under its influence roses and carnations lost some of that quality which had previously brought for them a very ready sale. The cool and rainy days of the past five or six weeks have kept all flowers up to a good standard and in addition created a better demand for greenhouse stock because of the bad effect upon outdoor flowers. It is said that rambler roses are about two weeks late and the same delay is noticed with respect to other flowers. A heavy demand was noticed last week for all high-grade flowers, including American Beauty roses, cattleyas, lily of the valley, good carnations and peonies, brought about by the many festivities in local society circles, and seminary and school exercises, while the ship-

PATRICK WELCH, WHOLESALE FLORIST

262 DEVONSHIRE STREET, BOSTON, MASS.

TELEPHONE MAIN 2698

American Beauties, Orchids, Valley, Carnations. All the novelties in the Cut Flower Market furnished on short notice. Prices quoted on application. No retail orders accepted. Flowers shipped out of Boston on early trains.

STORE OPEN FOR BUSINESS AT 6 A. M.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending June 5 1915		First Half of Week beginning June 7 1915	
Cattleyas	10.00	to 35.00	10.00	to 35.00
Lilies, Longiflorum	3.00	to 5.00	3.00	to 4.00
Rubrum	2.00	to 4.00	2.00	to 4.00
Lily of the Valley	2.00	to 4.00	2.00	to 4.00
Daisies	1.00	to 1.00	1.00	to 1.00
Stocks	2.00	to 3.00	2.00	to 3.00
Snapdragon	1.00	to 3.00	1.00	to 3.00
Iris	1.00	to 2.00	1.00	to 2.00
Gladioli	2.00	to 4.00	2.00	to 4.00
Calendulas	1.00	to 2.00	1.00	to 2.00
Sweet Peas	.25	to 1.00	.25	to 1.00
Corn Flower	1.00	to 1.00	1.00	to 1.00
Gardenias	2.00	to 20.00	2.00	to 20.00
Adiantum	.50	to .75	.50	to .75
Smilax	15.00	to 20.00	15.00	to 20.00
Asparagus Plumosus, strings (per 100)	15.00	to 35.00	15.00	to 35.00
& Spreng (100 bunches)	10.00	to 20.00	10.00	to 20.00

ping business was very good. Orders were received from all parts of the south and from Richmond there came much business incident to the encampment in that city of the veterans of the confederate army. Fair prices prevailed and there was less waste last week than for some time.

NEW CORPORATIONS.

Sheboygan, Wis.—John H. Allan Seed Co., increasing capital stock from \$180,000. to \$210,000.

Melrose, Mass.—E. A. Ormsby & Sons, manufacturers of ventilating apparatus. Capitol stock \$50,000.

Dansville, N. Y.—Dansville Five and Ten Cent Nurseries, nursery trees and stock; F. S., A. E. and W. J. Maloney, Dansville.

Minneapolis, Minn.—Puritan Plant & Seed Co., Plymouth building, capital stock \$25,000. Incorporators: Guy C. Hawkins, Irving J. Clark and Jesse W. Hawkins.

PHILADELPHIA NOTES.

The Florists' Club will hold their annual picnic on the 21st at Schutzen Park.

Howard M. Earl of W. Atlee Burpee & Co., starts on his annual crop inspection tour to the Pacific Coast and points in between, going and coming, on the 12th.

The employees of the Leo Niessen Co., had a pleasant outing at Ham-monton, N. J., on the 6th as the guests of J. Murray Bassett. Those who attended were all loud in praises of Mr. Bassett who gave them a splendid time.

Fred J. Michell was a prominent prize winner at the Ridley Park flower show last week. Narberth and Norwood also had fine shows as well as other suburban communities too numerous to mention. That's the way to boost horticulture.

VISITORS' REGISTER.

Newport, R. I.—W. A. Manda, South Orange, N. J.

Philadelphia—W. A. Manda, South Orange, N. J.

New Bedford, Mass.—L. D. Bryant, representing A. H. Hews & Co., pottery, North Cambridge, Mass.

San Francisco—P. C. Deming, president park commission, Minneapolis, Minn.; Carl Ferris, San Diego, Cal.

Boston—J. J. Karins, representing H. A. Dreer, Phila.; H. F. Littlefield, Worcester, Mass.; E. J. Harmon, Portland, Me.; J. C. Hoffman, Publishers Adjusting Association, Kansas City Mo.

Pittsburgh—C. Spaanderman, representing Ant. Roozen & Son, Overveen, Holland; Peter Broer (formerly member of C. Frets & Sons), Hugo T. Hooftman's Juliana Nurseries, Boskoop, Holland; S. S. Skidelsky, Philadelphia.

BUSINESS TROUBLES.

Spokane, Wash.—Pasquale Garguilo, florist; assets \$1,630, liabilities \$4,095.

Natural Green Sheet Moss . . . \$1.75
Dyed Green Sheet Moss . . . 3.00

Delivered by Express

Huckleberry Follage \$2.00 Per Case.

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Evergreen, Ala.

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Aphine Mfg. Co., Madison, N. J.
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APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.
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ARACARIAS

Godfrey Aschmann, Philadelphia, Pa.
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ASPARAGUS

Asparagus Plumosus, 2 1/2-in. extra strong, \$7.00 per 100; \$22.50 per 1000. Seedlings, from greenhouse-grown seed, ready July 1st, \$1.00 per 100, \$5.00 per 1000. COLLINGDALE GREENHOUSES, Collingdale, Pa.

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Elliott Auction Co., New York City.
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P. Ouwerkerk, Hoboken, N. J.
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BAY TREES

August Rolker & Sons, New York.
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BAY TREES—Standard and Pyramids. All sizes. Price list on demand. JULIUS ROEHRS CO., Rutherford, N. J.

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Wood Bros., Fishkill, N. Y.
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H. H. Burt, Madison, Mass.
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BEGONIAS

Julius Roehrs Company, Rutherford, N. J.
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R. & J. Farquhar & Co., Boston, Mass.
Farquhar's Tuberous Rooted Begonias.
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Thos. S. Reed, Nantuxet, Mass.
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A. M. Davenport, Watertown, Mass.
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Begonia Lorraine, \$12.00 per 100, \$110.00 per 1,000; Begonia Glory of Cincinnati, \$15.00 per 100, \$140.00 per 1,000. JULIUS ROEHRS CO., Rutherford, N. J.

BOILERS

Kroeschell Bros. Co., Chicago.
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King Construction Co., North Tonawanda, N. Y.

"King Ideal" Boiler.
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Hitchings & Co., New York City.
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BOXES—CUT FLOWER FOLDING

Edwards Folding Box Co., Philadelphia.
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BOX TREES—Standards, Pyramids and Bush. In various sizes. Price list on demand. JULIUS ROEHRS CO., Rutherford, N. J.

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Lily Bulbs.
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John Lewis Childs, Flowerfield, L. I., N. Y.
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August Rolker & Sons, New York City.
Holland and Japan Bulbs.
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R. & J. Farquhar & Co., Boston, Mass.
Tuberous Rooted Begonia.
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Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
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Burnett Bros., 98 Chambers St., New York.
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Roman J. Irwin, New York City.
Hardy Lilies.
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Summer Flowering Bulbs.
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Bulbs of all descriptions. Write for prices.
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H. Hansen, Malden, Mass.
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Canna Specialists.

Send for Canna book.

THE CONARD & JONES COMPANY,
West Grove, Pa.

CARNATIONS

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Wood Bros., Fishkill, N. Y.
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CARNATION STAPLES

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 1000 for 35c.; 3000 for \$1.00 post paid. I. L. PILLSBURY, Galesburg, Ill.

Supreme Carnation Staples, for repairing split carnations, 35c. per 1000; 3000 for \$1.00. F. W. WAITE, 85 Belmont Ave., Springfield, Mass.

CHRYSANTHEMUMS

Poehlmann Bros. Co., Morton Grove, Ill.
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Wood Bros., Fishkill, N. Y.
Chrysanthemums Rooted Cuttings.
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Chas. H. Totty, Madison, N. J.
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R. Vincent, Jr. & Sons Co., White Marsh, Md.
Pompon Chrysanthemums.
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50,000 Chrysanthemum Rooted Cuttings and soil plants; leading market sorts. Write for price list. WM. SWAYNE, Lock Box T, Kennett Square, Pa.

Major Bonnaffon, Pacific Supreme, Alice Byron, Golden Glow, Chrysolora, rooted cuttings, \$15.00 per 1,000; out of 2-in. pots, \$20.00 per 1,000. SHEPARD'S GARDEN CARNATION CO., Lowell, Mass.

THE BEST 1915 NOVELTIES.

The Cream of 1914 Introductions.

The most popular Commercial and Exhibition kinds; also complete line of Pompons, Singles and Anemones. Trade list on application. ELMER D. SMITH & CO., Adrian, Mich.

Chrysanthemum Rooted Cuttings—Chas. Razer, Polly Rose, Ivory, Golden Glow, Donatello, Halliday, Bonnaffon, Unaka, Pacific Supreme, Dr. Enguehard, \$15.00 per 1000. J. Nonin, Xmas White, Mrs. Syme, Yanoma, Comoleta, Chrysolora, Roman Gold, Appleton, Minnie Bailey, Wells' Late Pink, Patty, Helen Erick, Harvard, \$17.50 per 1000. H. J. ROLFE, Hammonont, N. J.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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CROTONS

F. R. Pierson Co., Tarrytown, N. Y.
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CYCLAMEN.

Best strain of colors:

Flora Red, Wonder of Wandsbek (best Salmon), Rose of Marienthal, Glowing Dark Red, White with Red Eye, Pure White. Strong plants, out of 2 1/2-in. pots, at \$5.00 per 100, \$50.00 per 1000. Satisfaction guaranteed. Cash with order, please.

J. H. FIESSER,

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Send for Wholesale List of whole clumps and separate stock; 40,000 clumps for sale. Northboro Dahlia and Gladiolus Gardens, J. L. MOORE, Prop., Northboro, Mass.

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John Wanamaker, Newest, Handsomest, Best. New color, new form and new habit of growth. Big stock of best cut-flower varieties. Send list of wants to PEACOCK DAHLIA FARMS, Berlin, N. J.

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DRACAENAS

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English Ivy from soil, 20 to 30 in., \$3.00;
from pots, 12 to 15 in., \$4.00. CHAS.
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A. Leuthy & Co., Roslindale, Boston, Mass.
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FUCHSIAS

Fuchsias—Black Prince, Speciosa, double
purple and white, Rooted Cuttings, \$1.00
per 100; 2 1/4 in., \$2.00 per 100.
W. J. BARNETT, R. D. 67, Sharon, Pa.

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Aphine Mfg. Co., Madison, N. J.
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John Lewis Childs, Flowerfield, L. I., N. Y.
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SPECIAL CLEAN UP SALE.

Mrs. Francis King, \$1.25 per 100; medi-
um, 60c. per 100. America, medium, \$4.00
per 1,000; 1 inch, \$2.00 per 1,000; small, \$1.00
per 1,000. S. E. SPENCER, Brookland
Gardens, Woburn, Mass.

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Sharp, Partridge & Co., Chicago.
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Parshelsky Bros., Inc., Brooklyn, N. Y.
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Royal Glass Works, New York City.
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Greenhouse glass, lowest prices. JOHN-
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Smith & Hemenway Co., New York City.
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Lord & Burnham Co., New York City.

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King Channel Gutter.
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Florists' Hall Asso. of America.
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S. Jacobs & Sons, Brooklyn, N. Y.

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H. A. Dreer, Philadelphia, Pa.

HYDRANGEAS

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Aphine and Fungine.
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Lemon Oil Co., Baltimore, Md.
Standard Insecticides.
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Nicotine Mfg. Co., St. Louis, Mo.
Aphis Punk and Nikoteen.
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Roman J. Irwin, New York City.
Nico Fume Liquid and Paper.
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APHIDSPRA—Non-poisonous; kills suck-
ing insects; 30c.

ACMESPA — Non-poisonous; controls
leaf-eating worms; 50c.

WRIGHT, East Islip, N. Y.

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Geo. N. Barrie, Brookline, Mass.
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IVY

English Ivy Rooted Cuttings, 75c. per 100,
post paid. From soil 20 to 30 in., \$3.00.
From pots 12 to 15 in., \$4.00. CHAS. FROST,
Kenilworth, N. J.

KIL-WEED AND KIL-WORM POISON

Lemon Oil Co., Baltimore, Md.

LEMON OIL

Lemon Oil Co., Baltimore, Md.
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LILY BULBS

Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
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In writing to Advertisers kindly mention Horticulture

LILY BULBS—Continued

R. M. Ward & Co., New York, N. Y.
Japanese Lily Bulbs of Superior Quality
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Corp. of C. S. L. May, New York City
Meyers' Lily Brand Gladioli
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LILY OF THE VALLEY

Chas. Schwabe & Co., Inc., New York City
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Loechner & Co., New York City
Lily of the Valley Pipes
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F. O. Pierce Co., New York City.
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NATIONAL NURSERYMAN

National Nurseryman Publishing Co., Inc.,
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NIKOTEEN

Nicotine Mfg. Co., St. Louis, Mo.
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NIKOTIANA

Aphine Mfg. Co., Madison, N. J.
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NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
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Bay State Nurseries, North Abington, Mass.
Hardy, Northern Grown Stock.
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Bobbink & Atkins, Rutherford, N. J.
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Framingham Nurseries, Framingham, Mass.
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NUT GROWING.

The Nut-Grower, Waycross, Ga.
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OLEANDER TREES WANTED.

Van McGowan, New York City.
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ONION SETS

Schilder Bros., Chillscothe, O.
Onion Seed—Onion Sets.
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ORCHID FLOWERS

Jas. McManus, New York, N. Y.
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PALMS, ETC.

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A. Leuthy & Co., Roslindale, Boston, Mass.
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PANDANUS VITICHI

Roots Co., Rutherford, N. J.
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PEONIES

Peonies. The world's greatest collection
1200 sorts. Send for list. C. BETSCHER,
Canal Dover, O.

PECKY CYPRESS BENCHES

A. T. Stearns Lumber Co., Boston, Mass.
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PIPE AND FITTINGS

Kroeschell Bros. Co., Chicago.
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Perry, Buxton, Doane Co., So. Boston, Mass.
Second Hand Pipe.

King Construction Company.

N. Tonawanda, N. Y.
Shelf Brackets and Pipe Hangers.
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Seele's Tieless Plant Stakes and Trellises.
H. D. SEELE & SONS, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."
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POT GROWN VINES FOR LATE PLANTING

Henry A. Dreer, Philadelphia, Pa.

RAFFIA

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American Grown Roses.
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ROSES—Continued

Rose Specialists
THE CONARD & JONES COMPANY,
West Grove, Pa. Send for offers.

SEASONABLE PLANT STOCK

R. Vincent, Jr. & Sons Co., White Marsh
Md

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Alonzo J. Bryan, Washington, N. J.

SEED GROWERS

California Seed Growers' Association,
San Jose, Cal.

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SEEDS

Carter's Tested Seeds,
Seeds with a Pedigree.

Boston, Mass., and London, England.
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Schilder Bros., Chillscothe, O.

Onion Seed—Onion Sets.
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Kelway & Son,

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Kelway's Celebrated English Strain Garden
Seeds.

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W. Atlee Burpee & Co., Philadelphia, Pa.
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R. & J. Farquhar & Co., Boston, Mass.
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J. M. Thorburn & Co., New York City.
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Ant. C. Zvolanek, Lompoc, Cal.
Winter Flowering Sweet Pea Seed.
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Fottler, Fiske, Rawson Co., Boston, Mass.
Aster Seed.
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Thos. J. Grey Co., Boston, Mass.
Seeds for Present Planting.
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SKINNER IRRIGATION SYSTEM

Geo. N. Barrie, Brookline, Mass.
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SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and
orchid baskets always on hand. LAGER
& HURRELL, Summit, N. J.

SPRAYERS

George N. Barrie, Brookline, Mass.
The Barrie Soap Sprayer.
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STOVE PLANTS

Orchids—Largest stock in the country—
Stove plants and Crotons, finest collection.
JULIUS ROEHR'S CO., Rutherford, N. J.

SWEET PEA SEED

Ant. C. Zvolanek, Lompoc, Calif.
New Price List.
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THE ANGLE LAMP

Globe Gas Light Co., Boston, Mass.
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VEGETABLE PLANTS

R. Vincent, Jr. & Sons Co., White Marsh, Md.
Cabbage and Tomato Plants.
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Celery Plants: Golden Self-Blanching
(French strain), fine plants, ready now,
\$2.00 per 1000. Cash. Special prices on
large lots. BRILL CELERY GARDENS,
Kalamazoo, Mich.

CELERY! CELERY! CELERY!!!
Golden Self-Blanching, true French strain,
parcel post, \$2.10 per 1000. White Plume,
\$1.35 per 1000. Cash, please. Cabbage,
Cauliflower Plants and Tomatoes. Also
Asters, mixed or separate colors. Get our
prices. LESTER'S PLANT FARM, Plain-
ville, Conn.

VENTILATING APPARATUS

The Advance Co., Richmond, Ind.
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The John A. Evans Co., Richmond, Ind.
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VINCAS

F. R. Pierson Co., Tarrytown, N. Y.
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Vinca Variegata from 4-inch pots, \$10 per
100. WM. CAPSTICK, Auburndale, Mass.

WEED DESTROYER

Pino-Lyptol Chemical Co., New York City.
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WIRED TOOTH PICKS

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Reed & Keller, New York City.
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WILLIAM E. HEILSCHER'S WIRE
WORKS, 264 Randolph St., Detroit, Mich.

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Albany, N. Y.

Albany Cut Flower Exchange, Albany, N. Y.
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New York

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M. C. Ford, 121 West 28th St.
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New Offers In This Issue

GREENHOUSE CONSTRUCTION.
Metropolitan Material Co., Brooklyn, N. Y.
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**HAMMOND'S GREENHOUSE WHITE
PAINT AND TWEMLOW'S OLD
ENGLISH PUTTY.**

Hammond's Paint & Slug Shot Works,
Beacon, N. Y.
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HAMMOND'S SLUG SHOT.

Hammond's Slug Shot Works, Beacon, N. Y.
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NEW CROP PANSY SEED.

H. F. Michell Co., Philadelphia, Pa.
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PEONIES.

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SWEET POTATO PLANTS.

Warren Shinn, Woodbury, N. J.
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WANTS, FOR SALE, ETC.

Advertisements in this column
one cent a word. Initials count as
as words. Cash with order. All
correspondence addressed "Care
HORTICULTURE" should be sent
to 147 Summer St., Boston.

FOR SALE

FOR SALE—Fresh from factory, new;
10 x 12, 16 x 18, 16 x 24, double thick. A
and B qualities. Market dropped. Now is
the time to buy and save money. PAR-
SHELSKY BROS., INC., 215-217 Haver-
meyer St., Brooklyn, N. Y.

PROPOSALS

TREASURY DEPARTMENT, Supervising
Architect's Office, Washington, D. C., June
8, 1915.—Sealed proposals will be received
in this office until 10 a. m., July 7, 1915,
and then opened for planting trees, shrubs,
etc., on the grounds of the Federal Build-
ing at New Brunswick, New Jersey. Brad-
dock, Chambersburg, Johnstown, Oil City
and Steelton, Pennsylvania, Mattoon, Illi-
nois, Abbeville, South Carolina, New Lon-
don, Connecticut, and Marlboro and North
Adams, Massachusetts, in accordance with
drawings and specifications, copies of which
may be had upon application to the re-
spective Custodians of the Buildings or at
this office. Jas. A. Wetmore, Acting Super-
vising Architect.

THE NUT-GROWER

The unique monthly publica-
tion which furnishes reliable
and interesting up-to-date in-
formation regarding the value
of pecans and other edible nuts
and how to grow them for profit.

Subscription, \$1.00 per year

Sample Copy Free

THE NUT-GROWER
WAYCROSS, GA.

In writing to Advertisers kindly mention Horticulture

BAILEY'S NEW STANDARD Cyclopedia of Horticulture

Six large quarto volumes.
More than 3,600 pages. 24
exquisite full-page color
plates. 96 full-page sepia
half-tones and more than
4,000 text engravings. 500
collaborators. Approx-
imately 4,000 genera, 15,000
species and 40,000 plant
names.

The new Standard Cyclopedia of Horticulture has been freshly written in the light of the most recent research and experience. It is not merely an ordinary revision or corrected edition of the old Cyclopedia, but it is a new work from start to finish with enlarged boundaries geographically and practically; it supersedes and displaces all previous editions or reprints of every kind whatsoever. It is both an Encyclopedia and a Manual, for with the aid of its Synopsis and Key, amateur and professional alike may quickly identify any plant, shrub or fruit contained within the set, and then receive expert instructions for its cultivation. Price \$6.00 per volume. Two volumes have now been issued and the others will follow in succession. Order from

HORTICULTURE PUBLISHING CO.
147 Summer Street, Boston, Mass.

THE PRACTICAL BOOK OF Outdoor Rose Growing

FOR THE HOME GARDEN
by
GEORGE C. THOMAS, JR.

Elaborately Illustrated with 96 Perfect Reproductions in Full Color of All Varieties of Roses, and a Few Half-tone Plates. Octavo, Handsome Cloth Binding, in a Slip Case. \$4.00 net. Postage Extra.

We have sold a number of copies of this sterling book. One purchaser writes as follows:

HORTICULTURE, Boston, Mass.

Dear Sir: Some time ago we ordered a copy of Thomas' Book on Roses. We promised to send you postage as soon as we learned the amount. The book was so good that we forgot all about postage until today. Please forgive our lapse of memory.

We loaned it to a friend and he likes it so well we're afraid that we will have to buy another.

Respectfully,
New York. A. R.

Every rose grower should possess a copy of this book.

IT IS THE REAL THING

Order From

Horticulture Publishing Co.
BOSTON.

PUBLICATIONS RECEIVED.

SPENCER LUTHERTON BAIRD, A
NATURAL HISTORY OF AMERICA
BY SPENCER LUTHERTON BAIRD
PUBLISHED BY THE NATIONAL GEOGRAPHIC SOCIETY
WASHINGTON, D. C.

Natural History in America is most of all indebted to two remarkable men, Professor Louis Agassiz and Professor Spencer F. Baird. Their activities in a public sense in this country began about the same time, Agassiz, the enthusiastic inspiring teacher, and Baird, the efficient, hard working and lovable organizer, complemented each other. The one awakened the American spirit to the delights of the study of Nature; the other made it possible for anyone with the sacred fire to obtain the necessary guides and opportunities for research.

Many of our readers, no doubt, are acquainted with Professor Baird's eminence as a natural scientist and should be grateful to the author who has so conscientiously and with so much devotion compiled these memoirs and to the publishers who have sent them forth in such appropriate and dignified dress. The book is dedicated to the Memory of Miss Lucy Hunter Baird, who died in Philadelphia, June 19th, 1913.

The work is not a history of explorations nor a record of technical investigations promoted under Government auspices; but an account of the life and relation to them of a singularly eminent, able, efficient and modest devotee of the Natural Sciences. It contains not only letters from the most eminent American naturalists of the period, but from men who afterward became distinguished as military and naval leaders in the struggle for the preservation of the Union.

The chief aim of the biographer has been to show the man as he lived and worked; with glimpses of his relations to his contemporaries, to the promotion of science and to faithfully record his great and, as yet, hardly appreciated public services. Apart from the scientific side of the activities the work endeavors further to make the reader acquainted with the characteristics of a pure and lovable leader of men to whose modesty and self-sacrifice the country owes a debt which is still appreciated only by a select few.

The various chapters cover the following subjects:

Chapter I. Genealogical and Family Notes; II. Childhood and Youth; III. Life at Carlisle; IV. The Young Professor; V. The Smithsonian Institution; VI. Life in Washington; VII. 1850 to 1865; VIII. 1865 to 1878; IX. The Secretary, 1878 to 1887; X. The U. S. National Museum; XI. The U. S. Commissioner of Fish and Fisheries; XII. Appreciation; Index.

J. B. Lippincott Company of Philadelphia, Pa., are the publishers. The volume is 8vo., 452 pages with 19 illustrations. Buckram, gilt top, uncut \$3.50 net. Carriage extra. The edition is printed from type and no more will be published.

Forest Park, Ill.—John T. Muir has been elected president of the Village Board. Mr. Muir is son of Samuel Muir, pioneer florist of Chicago.

Use Hammond's Slug Shot



"Sold by Seed Dealers of America"

If you have never used Slug Shot go to your nearest seed store and say: "Give me a barrel, a keg, 25 lbs., 10 lbs., 5 lbs. or a 1 lb. carton," as the case may be of Slug Shot. After you have tried Slug Shot you will find nothing else to be its superior because you know from experience that Slug Shot is reliable in everything that goes to make a useful insecticide for garden use. Send for pamphlet.

Hammond's Slug Shot Works
BEACON, N. Y.

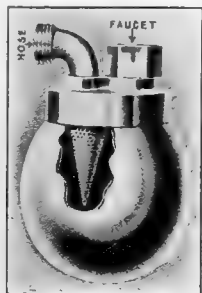
NEWS NOTES.

New Bedford.—It is understood that H. V. Sowle contemplates building near his greenhouses, others, to an extent which will practically double the amount of glass he has at present. He also looks forward in the near future to establishing a flower store on Purchase street. He reports a great sale lately for hydrangeas.

Business since Memorial Day has been exceedingly good; bedding-out has occupied a great deal of the time. Geraniums are still in great demand and do not bloom fast enough to keep up with the call.

New Haven, Conn.—Thomas J. Mooney, proprietor of the greenhouses in Kinneytown and of floral stores in Ansonia and Derby, was very seriously injured in a jitney collision on the New Haven road last Saturday night. The jitney in which Mr. Mooney was riding was running at a high rate of speed and was unable to make the turn to avoid a jitney coming in the opposite direction and Mr. Mooney and another passenger were thrown out, Mr. Mooney being so seriously injured that he was taken to St. Raphael's hospital.

St. Catharines, Ont.—The Lord & Burnham Company, of Irvington-on-Hudson, N. Y., is about to commence operations in a new \$100,000 plant located at St. Catharines, Ontario. This company will manufacture materials for greenhouses, the same line as it now produces in the United States. The new plant will have an annual output worth from \$350,000 to \$500,000. It is equipped with iron and wood-working machinery, and will give employment to carpenters, painters, glaziers, steam fitters and other mechanics. As an inducement for the company's location there, the City of St. Catharines has agreed to reimburse certain taxes for a specified term of years.



GREEN FLY TIME

is now here. Even the forest trees around our gardens are covered with this pest. What are you doing about it? Fighting the green fly for the past few years has been a continuous performance and an expensive one with the ordinary spraying devices.

A BARRIE SOAP SPRAYER screwed to your faucet and a few pounds of fish oil soap solves this problem without further expense or labor. This is but one of its many uses. It is equally valuable in the greenhouse.

Made of Brass, Nickel Plated, Lasts Forever. PRICE THREE DOLLARS. Send for Circular.

GEORGE N. BARRIE, Brookline, Mass.



THE VERY NEWEST AND QUICKEST METHOD OF DESTROYING WEEDS, GRASS AND OTHER GROWTH IN GARDEN WALKS, GUTTERS, TENNIS COURTS, DRIVEWAYS, ETC.

This fluid absolutely destroys all weeds and other growth wherever applied, and its effect on the ground prevents the growth of fresh ones for a year and thus saves a great deal of time and labor, as no cutting, hoeing or hauling away of the weeds is required.

We manufacture the strongest line of DISINFECTANTS on the market.

PINO-LYPTOL CHEMICAL CO.

455-457 West 26th Street, NEW YORK CITY

CORRESPONDENCE SOLICITED



NIKOTEEN For Spraying
APHIS PUNK For Fumigating

ASK YOUR DEALER FOR IT.

NICOTINE MFG. CO. ST. LOUIS, MO.



Unequalled for Greenhouse and Landscape Fertilizing

THE PULVERIZED MANURE CO.

31 Union Stock Yards, Chicago



Guaranteed under the Insecticide Act, 1910. Series No. 321

Save your plants and trees. Just the thing for Greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrip, Red Spider, Black and Green Fly, Mites, Ants, Insects on Rose-bushes, Carnations, etc., without injury to plants and without odor. Used according to directions our standard Insecticide will prevent ravages on your crops by insects.

Non-poisonous and harmless to user and plants. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pests. Excellent as a wash for dogs and other animals. Relieves mange.

Effective where others fail.

1/2 Pint...25c; Pint...40c; Quart...75c
1/2 Gal., \$1.25; Gal., \$2.00; 5 Gal. Can., \$9
10 Gal. Can., \$17.50

Dilute with water 30 to 50 parts.

For Sale by Seedsmen and Florists' Supply Houses
If you cannot obtain this from your supply house write us direct.

LEMON OIL COMPANY, Dept. K

420 W. Lexington St., Baltimore, Md.

Directions on every package

Little ads. in our Classified Columns bring big returns to both advertiser and purchaser.

Anything that can be sold to florists, gardeners, park and cemetery superintendents, etc., can be sold through this medium in this department, and at very small cost. Don't fail to read them each issue, for you will find one or more that will prove profitable to you.

They Cost Only One Cent a Word Undisplayed

Brattleboro, Vt.—Alexander L. W. Haeseler, manager at Hopkins' greenhouses two years, has finished work there and has begun work for Carroll Bond, florist.



The Recognized Standard Insecticide.

A spray remedy for green, black, white fly, red spider, thrips, mealy bug and soft scale. Quart, \$1.00; Gallon, \$2.50.

FUNCINE

An infallible spray remedy for rose mildew, carnation and chrysanthemum rust. Quart, 75c; Gallon, \$2.00.

VERMINE

A soil sterilizer for cut, eel, wire and angle worms. Quart, \$1.00; Gallon, \$3.00.

SCALINE

A scaleicide and fungicide combined for San Jose and various scale on trees and hardy stock, and various blights which affect them. Quart, 75c; Gallon, \$1.50.

NIKOTIANA

A 12% nicotine solution properly diluted for fumigating or vaporizing. Quart, \$1.50; Gallon, \$4.50.

If you cannot obtain our products from your local dealer, send us your order and we will ship immediately through our nearest agent.

Aphine Manufacturing Co.
MADISON, N. J.

GEO. A. BURNISTON
President

M. C. EBEL
Treasurer

SCOTCH SOOT

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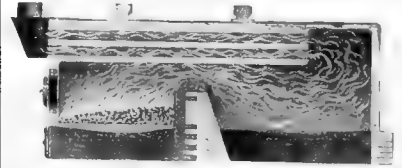
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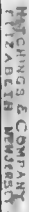
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No. 25
JUNE 19
1915

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NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil."—Pope.

Eucharis amazonica

Potted eucharises that have finished their crop of flowers can be given a top dressing of cow manure and loam, removing some of the old soil on top and replacing it with new compost. If they need a shift very badly give them a size larger pot but it should be always remembered that they flower best when well-potbound. Place the pots in a coldframe, plunged to their brims in a mixture of strawy manure and leaves, which will provide a gentle bottom heat. Place shaded sashes over the plants, spray and shut them up sufficiently early in the afternoon to bottle up a brisk heat. Treated thus the eucharis will make a grand growth and, if placed in a dry, moderately cool house about the end of September and given a few weeks rest, they can be started in heat to furnish a crop of flowers for Christmas.

Lilies

Lilium speciosum and *longiflorum* for summer flowering should have a house without much shade. Give them an abundance of air at all times as they resent coddling. Examine the pots two or three times a day so they will not suffer from want of water, and also go over them as the flowers begin to open and remove the pollen before it discolors the petals. Do not neglect fumigation. Once green fly gets a good foothold it will deform or ruin a great part of the flowers. Keep them well syringed on all bright days until the flowers begin to open. Some of the taller lilies should be staked to keep the stems erect and the flowers in good shape. When they are fairly well out they can be moved to a cool cellar. The weather being warm the flowers will open up now quite fast. Keep the air of the house moist by frequent dampings.

Lycaste Skinneri

Lycaste Skinneri is the most lasting of orchids. The flowers in winter will keep on the plants for from eight to twelve weeks. It is a terrestrial orchid and grows better in an equal mixture of fibrous loam and fern fiber than in one of fiber alone. No more shading should be used than is absolutely necessary to prevent burning.

Maintain a free circulation of air keeping the atmosphere as cool and moist as possible. Plants will now advance very rapidly and in all weathers must have water liberally at the root and frequent damping down. Pots are the best receptacles and a winter minimum temperature of 50 to 55 degrees will be found about right.

Starting Cycas Stems

From now on and until mid-summer cycas stems will be arriving. When potting use as small pots as will comfortably hold them. Give a compost of equal parts of fibrous loam, well rotted cow manure and leaf mold. Be sure that each pot has thorough drainage. Give water sparingly until they have started to make roots and top growth, after which they will take plenty. Keep the stems well syringed every day. They should be kept in a moist atmosphere and where they can have a temperature of about 70 degrees during the night, with from 10 to 15 degrees higher with sunshine. When they begin to show their whorl of leaves give enough of shade to keep them from burning.

Vincas and Ivies

There is always a good demand for variegated vincas and English ivies. Now is the time to buy stock from 2 or 2½ inch pots and plant them out in the field. They can be set about a foot apart in the row and leaving about two feet between the rows. If kept cultivated and hoed during the summer they will make very nice stock by the fall. They will not be any trouble except to keep them clear of weeds. They can be lifted in September and potted into four-inch pots and placed in a cool house. There is no better place for them than along a carnation bench where they can be allowed to droop down.

Weeds and Cultivation

From this out the weeds will grow apace. See that the various crops do not get overrun. Keep the soil well cultivated every week and they will be only a few that will get ahead of the cultivator. By keeping down weeds more plant food will be left in the soil for the crop that is growing on it.

Next Week: Carnations; Cinerarias; Compost Pile; Boston Ferns; Poinsett; Painting.

BOOM YOUR BUSINESS
by advertising your goods in the
Horticulture

Publicity among the kind of readers reached
by this paper is THE SORT OF PUBLICITY
THAT PAYS.

HORTICULTURE

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A fine record

The first news from San Francisco of the honors bestowed upon the State of Massachusetts and the recognition accorded to the Massachusetts firms exhibiting in the Horticultural Division appears in another column of this paper. It sounds real good to learn that the Bay State, in the section of the country most remote from the location of the big Exposition, has made a fine record. The work of preparation was in good hands and well executed, and the occasion was in every sense worth the effort and the achievement.

Make the youngsters happy

Picnic time is not far distant. We like to hear of the plannings in clubs and other associations of the florist and gardener craft for summer outings in which the ladies and children are given first consideration. Somebody has to do a lot of hard work to make these affairs entirely successful—much more than the non-workers realize. A tired-out mortal, indeed, is he who has spent the day in catering to the pleasure of the kiddies and managing the games and contests provided for their entertainment but one can rarely get tired in a better cause and then the pleasure of having been able to contribute so much toward the happiness of others should be ample compensation for all the labor.

"The cold shoulder"

The apparent misconception on the part of some agricultural publishers and their correspondents as to what constitutes horticulture often strikes us as both amusing and provoking. Amusing as showing how absurdly perverse and uncompromising a certain class can be in its attitude towards the ornamental branches of horticulture; provoking when one thinks of the neglected opportunities for exploiting those things in nature which make for refinement of character and the appreciation of something more in the home life than food and raiment. Glance over the pages of any one of the farming periodicals and see what you find in the column under the heading of "horticulture." Potatoes, silos, pigs, barley—almost anything except flowers for the sake of the flowers! "'Tis true 'tis pity; and pity 'tis, 'tis true."

Needed improvements.

We are heartily in accord with the views expressed by Mr. Koehler in his communication in regard to the labelling of plants and flowers staged at public exhibitions. We are sure that our readers will be practically unanimous and hearty in their approval of Mr. Koehler's sentiments. HORTICULTURE has editorially and through its Philadelphia representative, Mr. Watson, repeatedly urged the need of reform in this matter of naming exhibits—not only that they be correctly labelled but that they be legibly labelled with the name so inscribed and the label so placed that it may be read by a person of ordinary eyesight without the necessity of stepping or reaching in among the exhibits. Fifty per cent is none too much to accredit to an exhibition which carries with it this much desired educational value as compared with those where this is lacking. While on the subject of exhibition management we take opportunity to say that we hope the time may come when a disbarment or fine will be the punishment for any committee of judges turning in a report of awards to "any other color" or "any other variety," without specifying the name of such winning variety.

A PLEA FOR THE LABELLING OF EXHIBITS

At the Massachusetts Horticultural Exhibition last week many people were disappointed in finding the large and fine exhibit of rhododendron flowers from the Hunnewell place shown without names. However much one may or may not know about the subject it is without dispute that a properly labelled exhibit of flowers, plants, vegetables, etc., can be examined with far more profit than an unlabelled one. For many people one of the inducements to visit the exhibition was the supposed opportunity of seeing rhododendrons under name. The erratic behavior of these plants, as evidenced this spring, has directed attention to them more than usual, and it seems that here was a fine opportunity lost of presenting to the public facts of educational value and interest. At the two other much smaller but labelled exhibits of rhododendrons people could be seen with note book and pencil in hand; at the large exhibit such were conspicuous by their absence. In England, it is said that an exhibit is depreciated 50% in the eyes of the judges, by the omission of the proper labels.

This criticism is made in no unfriendly or unappreciative spirit. The exhibit in question was well worth seeing even without labels; it was a fine display; its omission would have been a great pity and it probably deserved the silver medal which was awarded; but it is to be hoped that next year the same exhibitor will provide the names, and, thus, by giving of his knowledge and enhancing the attractiveness of his exhibit, confer a great benefit upon those who may be so fortunate as to see it.

It may be pertinent here to express the opinion that rhododendrons are not made the feature at these exhibitions, or at those of any other organization in the country, that they should. They are the most commanding and impressive flowering shrubs of our gardens when rightly used; yet the public does not know and understand them as it should. It would seem that there should be exhibits enough of them to fill at least one of the halls. The announcements of these exhibitions lead one to suppose that rhododendrons are to be a large feature, instead of the disappointingly small one they turn out to be. Whether the fault lies with the various horticultural organizations in not offering sufficient inducements to exhibitors, or whether the trouble lies elsewhere, can best be determined by others.

What a startling and impressive exhibit might be made with plants in tubs, not only of the tender kinds but most largely of the hardy ones. The reasons why rhododendrons do not lend themselves as subjects for cut flowers are many and obvious and need not be enu-

erated here, but it should be borne in mind that the effectiveness of rhododendron flowers is tremendously reduced when not on the plants, more so than in the case of most flowering shrubs, especially when cut with the short stems usually necessitated by a due regard for the plants; although it might be said in passing that it would seem possible by judicious cutting to obtain from a large collection of rhododendrons many trusses with long stems without disfiguring the plants.

This matter of tub plants should not prove an unreasonably expensive proposition; if of the hardy kinds they might be wintered even without the aid of the usual cold cellar; in the fall the tubs could be plunged to their rims in some sheltered position, heavily mulched with leaves, and further protected by a stockade of spruces, pines, or what not. In the spring they could be placed in a sunny position, and brought into bloom at the required time. Moderate sized plants might even be tubbed in April for exhibition in June. Commercial growers might find it to their advantage to make exhibits of tubbed plants, affording an opportunity for effective advertising and at the same time adding to the attractiveness of exhibitions.

The value of rhododendron exhibits would be further increased by indicating in some way the degree of hardiness of the different kinds. This could be done by merely stating the fact on the same label giving the name of the kind, or by grouping them according to their hardiness, classifying them as tender, as half hardy—that is those which can be coddled along in favorable situations, and as hardy—that is those which are hardy in the most unfavorable situations in which rhododendrons will grow (there do not seem to be any fool-proof ones).

Once more referring to the aggravation of an unlabelled exhibit: two vases of unlabelled iris, all by themselves, were sufficiently striking to attract the approving attention of at least two iris experts in the hall who were very anxious to find out what they were but could not. A small exhibit of unlabelled azaleas attracted the attention of a man who wanted to know about them for use in his own garden, but was unable to carry away with him the names of those he especially liked.

Chas. J. Kocher

Brookline, Mass.

Comment and exchange of views on the topics treated in these pages will be gladly welcomed from Horticulture's Readers. Suggestions as to how they can be made still more interesting and instructive will be appreciated.

Endorsement was given to the campaign now being carried on by the Detroit (Mich.) Florist Club for the general beautification of that city through the individual efforts of the

merchants and others of that place. It was considered as being a most worthy action, aside from its commercial aspect, as it will serve to do much to enlarge the love for flowers.

An invitation has been extended to the members by the Washington Chamber of Commerce to be present at its meeting held the same evening, at which the speakers were Secretary of Commerce Redfield and the secretary of the Chinese Legation, and an early adjournment was taken that the invitation might be accepted. The Secretary's talk was on the building up of manufactories in the District of Columbia. There must be secured a very marked decrease in the cost of electric power. This is a subject to which the florists have been giving more or less thought for at present all establishments are subjected to a charge of 10 cents per kilowatt hour, whereas, as Mr. Redfield stated, they believe that 3 cents per kilowatt hour would be ample.

An excellent buffet lunch was served following the meeting.

NATIONAL FLOWER SHOW COMMITTEE.

The National Flower Show Committee met in regular session in Philadelphia Florists' Club rooms in Horticultural Hall on June 10, with Chairman Farenwald presiding. Secretary John Young of New York was present. Practical details for the conduct of the National Flower Show, to be held in Philadelphia, March 25 to April 2, 1916, were more or less definitely worked out.

At a meeting with the same committeemen, Frederick R. Newbold of the New York Horticultural Society—who did so much towards making a success of the New York show—was present, and explained in detail the plans and methods pursued by that organization in connection with the New York show.

George Asmus, of Chicago, is expected in Philadelphia next week, at which time there will be another meeting of the committee.

W. F. THERKILDSON.

Chairman of Press
and Publicity Committee.

List of Members of the Press and Publicity Committee.

W. F. Therkildson, of W. Atlee Burpee & Co., chairman; W. Percy Mills, Evening Bulletin, Phila.; Theo. F. Pohlig, Philadelphia North American; Williamson Tate, Philadelphia Public Ledger; Geo. B. Donnelly, Philadelphia Record; Frank Moren Babcock, Philadelphia Telegraph; Wm. F. Greenwood, Philadelphia Inquirer; C. Herbert Potter, Curtis Publishing Co., Phila.; Chas. Henry Fox, Sign of the Rose, Phila.; R. N. Durbin, of Strawberry & Clothier, Phila.

AMERICAN GLADIOLUS SOCIETY.

It is important that all who intend making trade exhibits at the Newport Exhibition, August 18 and 19, should advise the chairman of the exhibition committee at once as to the space they will require. This will facilitate matters and avoid disappointment. No charge for tables will be made.

H. YOCELL, Chairman
Exhibition Committee.

Syracuse, N. Y.

VIEW IN U. S. ROSE TEST GARDEN AT ARLINGTON, VA.



WESTCHESTER AND FAIRFIELD HORTICULTURAL SOCIETY.

There was a very good attendance at the monthly meeting of this society, June 11, at Greenwich, Conn. The committee reported everything in readiness for the summer exhibition to be held in the Town Hall in Greenwich, June 18 and 19. The fall show committee have ready for distribution a preliminary schedule. Over 100 classes are provided for. The Annual Outing will take place August 11 at Edwards Rye Beach Inn, Rye Beach, N. Y. Visitors were Joseph Manda, of South Orange, N. J., and Mr. Watkins, representing Burnett Bros., New York City, who each addressed the meeting.

A great display was seen on the exhibition tables. The judges made the following awards:

Honorable mention to Dehn & Bertolf for shrub and herbaceous flowers. Cultural certificate to James Stuart for *Calceolaria Stewarti*; Wm. Whitten for Double White Killarney rose; P. W. Popp for *Calceolaria Bailori*. Highly commended, Robt. Grunert for Spencer sweet peas; Jas. Linane, glloxinia; Jas. Foster, peonies. Vote of thanks to Thos. Ryan for sweet peas; Wm. Morrow, Dahlia Louise; James Linane, spinach and peonies.

P. W. Popp, Cor. Sec'y.

PEONY, ROSE AND STRAWBERRY EXHIBITION.

The annual rose and strawberry exhibition of the Massachusetts Horticultural Society will be held in Horticultural Hall, Boston, on Saturday and Sunday, June 19 and 20. In addition to roses and strawberries there will be fine displays of other seasonable flowers as well as of early fruits and vegetables.

In connection with this show will be held the Annual Peony Exhibition, postponed from last week, which will be of special interest this year on account of the annual meeting and exhibition of the American Peony Society which will be held in connection with it.

The exhibition is free and will be open Saturday from 12 to 6 and on Sunday from 2 to 6 o'clock.

NEW YORK FLORISTS' CLUB.

The regular meeting of this Club was held on Monday evening, June 14, with about 75 members in attendance. There was an address by B. H. Farr, president of the American Peony Society on the Peony. Mr. Farr gave an interesting account of the work of his Society, particularly the results of ten years nomenclature research and disentangling. The trial grounds at Cornell are giving valuable data and a similar plantation is contemplated at Washington, D. C.

Mr. Farr made a fine display of peonies and irises which was accorded a vote of thanks, a similar recognition being given to W. A. Manda for dandelions, Wm. Tricker for roses and campanulas and Max Schling for roses and Jos Manda was awarded a certificate of merit for his new lavender Swainsona, Mrs. Joseph Manda.

Charles H. Totty gave a very interesting and glowing account of what he had seen at the Panama-Pacific Exposition and strongly urged every one who possibly could to go and visit this wonderful triumph of science and art. There were many committee reports, including the Convention Transportation Committee by R. J. Irwin, who stated that fifteen had already signed to go; Flower Show Committee by Frank Traendly with check for \$2,000, an account of the last show - also report of progress on next year's show. Committee on Privileges and recent rules against carrying flower packages in street cars and subways, by A. J. Guttman and Charles Brown, in which hope was expressed for a more liberal policy by the companies; Outing Committee by Emil Schloss; Committee on Permanent Home by F. R. Pierson recommending postponement until better times come—which was so agreed to; Lecture Committee by Leonard Barron, who announced a talk on the gladiolus by B. Hammond Tracy at the September meeting.

Five new members were accepted and three proposed.

GARDENERS' AND FLORISTS' CLUB OF BOSTON

The meeting of the Boston Horticultural Club was held at the Horticultural Hall, was according to custom, Ladies' Night. For the reason of business meeting matters were not hort and to a lack of importance was taken except a vote of condolence for Edward J. Welch on the death of his wife and son and a vote of sympathy for Ex-President Peter M. Miller who is ill with pleurisy and whose genial company was sadly missed in the social enjoyments of the evening. A very fine musical program was presented by the Elliott Singers, a sextet of male voices of rare quality, the numbers consisting of choruses and solos by the individual members, most of which were vigorously encored.

Then came the collation of strawberries, ice cream, coffee, etc., followed by dancing in the lecture hall until midnight, in which the youth and beauty of horticultural Greater Boston disported themselves to the limit everything from Virginia reel to "hesitation" being given full sway. It was one of the best arranged and successful affairs in the club's history, the very general absence of the "old-timers" being the only missing ingredient.

The donations of flowers were exceedingly lavish and the singers, as well as many of the ladies, went home laden down with armfuls of fragrant bloom.

PEONY SHOW AT BOSTON.

Notwithstanding the backward condition of the peony blooms in New England, which caused the postponement of the combined peony show of the Massachusetts Horticultural Society and the American Peony Society for another week, there was an excellent display in Horticultural Hall, Boston, on Saturday, June 12, the date originally set. Irises were grand.

The list of prizes and gratuities awarded was as follows:

Prizes.—Horticulturists Peonies.—Collection of twelve, single, one bloom each.—1st, Mrs. J. L. Gardner; 2nd, William Whitman. Vase of twenty-two blooms, double, white or blush.—1st, Mrs. E. M. Gill. Vase of twenty-five blooms, double, of any other color.—1st, Mrs. J. L. Gardner. Collection of twelve, double, one flower of each, for non-commercial growers only.—1st, Mrs. J. L. Gardner.

Gratuities.—Mrs. J. L. Gardner, display of peonies; Mrs. E. M. Gill, display of peonies; Wm. Whitman, display of peonies and poppies; T. C. Thurlow's Sons Co., display of iris and peonies; Mrs. Fredrick Ayer, display of German iris; T. C. Thurlow's Sons Co., display of German iris; Wadsworth Nursery Co., display of German iris; Wm. Whitman, display of German iris; Mrs. J. L. Gardner, display of German iris; T. C. Thurlow's Sons Co., display of German iris; Eastern Nurseries, display of hardy flowers; Miss Cornelia Warren, display of cut flowers.

First class certificate of merit.—Eastern Nurseries, Potentilla Votchtli; also Potentilla rubra and P. Przewalskyi.

Honorable Mention.—Jackson Dawson for Azalea Hazel Dawson; Rhododendron ledifolium; R. K. Kopp; North's Tomato for Tomato Buck's Treasure.

Vote of Thanks.—Mrs. E. M. Gill, Thatch, er, gard, Joseph Madden, for mushrooms and lettuce.

The Pennsylvania Horticultural Society will have a sweet pea exhibition on the grounds of the Abington Library, Jenkintown, Pa., on Wednesday, June 23rd. Special prizes are contributed by Dreer, Michell, Waterer and others.

INTERNATIONAL ASSOCIATION OF ROTARY CLUBS.

R. C. Kerr of Houston, Texas, chairman of the Florists' Section, sends us the following tentative program for the convention of this association which will be held at San Francisco on July 19 to 23.

Monday, 100 P. M.—Luncheon at St. Francis Hotel. Get together and get acquainted.

After lunch, adjournment for Section Meeting.

Some topics for discussion: "How to put our business on the highest plane, and carry out the principles of Rotary."

"Rotary Florists' co-operation in exchange of business."

"The Florists' place in the Rotarian."

"How Rotary Florists should serve their local Rotary Clubs."

"How to create interest in the Convention Florists' Sectional Meetings."

"Reports of the Houston Meeting."

The Rotary Clubs are composed of one person from each line of business in each city throughout the country. Therefore only one florist in each city can belong to this organization. At their annual international convention they hold a section meeting of each line of business—therefore there will be a florists' section meeting. Mr. Kerr urges that all florists who attend shall remain over for the S. A. F.

TEXAS STATE FLORISTS' ASSOCIATION.

Following are a few of the headliners for our second annual convention at Ft. Worth, July 6 and 7:

Special rate of one and one-third fare. Questions that are of direct interest to you will be discussed. A live program—instructive and interesting. Florists coming from Illinois, Missouri, Mississippi, Colorado, Louisiana, Alabama, Oklahoma and Tennessee. Also 75 per cent of the florists of Texas will be in attendance. A nice line of exhibits on display. Ft. Worth Club's program of entertainment will assure you a good time.

If you were in attendance at our convention last year at Waco, you know the value of these conventions, and of course will be with us; if not, don't miss the opportunity of meeting the florists of Texas and the South—for they will be there. Remember, too, we will have some of the big men with us from Chicago, Colorado, Missouri, Oklahoma and other sections.

The time is short so make your arrangements to attend the convention. WE WILL LOOK FOR YOU.

R. C. KERR, Pres.

PACIFIC COAST HORTICULTURAL SOCIETY.

The regular monthly meeting of the Pacific Coast Horticultural Society on June 5th was well attended, and considerable business was attended to. H. Plath, as chairman of the Exhibition Committee, led discussions in reference to preparations for the Fall Flower Show, and various committees of the S. A. F. Convention submitted reports. Applications for membership were presented from R. A. Hyde of Watsonville, F. Metzner of Mountain View, K. Nyeland of Oakland, J. Walter, a local gardener and A. J. Nevraumont of the California Seed Co. J. A. Axell of the E. W. McLellan Co. was elected to the office of treasurer, following the withdrawal of Dan

Raymond, who had been nominated at the last meeting. After the business session, Prof. Stevens of the University of California, delivered a very interesting illustrated lecture on the "History of Landscape Gardening." The exhibits made a good showing. A bunch of Gladiolus Panama shown by Frank Pelicano was rated at 95 points. A large pot of Adiantum Plathii, a new seedling, shown by H. Plath, was also rated at 95, and a single flower of the new hybrid brier rose Juliet shown by J. Gill took 60 points.

CLUB AND SOCIETY NOTES.

The annual outing of the New York Florists' Club will be held at Witzel's Point Grove, College Point, L. I., July 11. F. W. Armitage is chairman of the outing committee.

The June meeting of the New London (Conn.) Horticultural Society was held Thursday, 10th. There was a large attendance who came to hear M. C. Ebel, of Madison, N. J., but owing to illness he had to postpone his visit. A paper on Perennials by W. S. Mason was read by Walter E. Cook. The table was covered with plants and flowers, including chrysanthemums and gloxinias. H. E. L.

The summer meeting of the New Hampshire Horticultural Society will be held at the New Hampshire College at Durham, Thursday, June 24, 1915. The program is as follows:—

9.30 A. M.—Inspection of college grounds and buildings.

10.30 A. M.—Visit to Experimental Orchards, under the direction of Prof. Joseph H. Gourley, Horticulturist of the Experiment Station.

12.00 M.—Address by President Fairchild.

12.30 P. M.—Luncheon.

1.30 P. M.—Growing Small Fruits in New Hampshire.—Wilfred Wheeler, sec'y, Mass. State Board of Agriculture, Boston, Mass. Vegetable Growing in New Hampshire.—William N. Craig, supt. Faulkner Farms, Brookline, Mass.

The College Fair Exhibit for 1915 will be completed and on the grounds during the day, for inspection by the

COMING EVENTS.

Shows.

Boston, Mass., June 19-20.—American Peony Society, Horticultural Hall.

Greenwich, Conn., July 18-19.—Westchester and Fairfield Horticultural Society, summer show.

Newport, R. I., July 8-9.—Annual show and meeting of American Sweet Pea Society, in connection with Newport Garden Assoc. and Newport Hort. Soc.

Lenox, Mass., July 27-28.—Summer exhibition of Lenox Horticultural Society.

Newport, R. I., Aug. 12, 13, 14.—Mid-summer exhibition of Newport Garden Club and Newport Horticultural Society.

Newport, R. I., Aug. 18-19.—Fifth annual exhibition of the American Gladiolus Society.

Cleveland, O., Aug. 13-14.—Gladiolus Society of Ohio exhibition.

Lewiston, Me., Aug. 27-28.—Fall exhibition in Lewiston City Hall of Lewiston and Auburn Gardeners' Union, Chas. S. Allen, President, Auburn, Me.; Mrs. Geo. A. Whitney, Secretary, 151 Winter St., Auburn, Me. Meetings first Friday in each month.

Atlantic City, N. J., Aug. 26-29.—American Gladiolus Society exhibition.

Orange, N. J., Oct. 4.—Tenth Annual Dahlia, Fruit, Gladiolus and Vegetable Show of N. J. Floricultural Society. Geo. W. Strange, Sec., 84 Jackson St.

Oyster Bay, L. I., N. Y., Oct. 5-6.—Dahlia Show of the Oyster Bay Hort. Society. Chrysanthemum Show, Nov. 2. Andrew R. Kennedy, Westbury, L. I., secretary.

Glen Cove, L. I., Oct. 7.—Dahlia Show of Nassau Co. Hort. Soc. Fall Show of Nassau Co. Hort. Soc., Oct. 28 and 29.

Poughkeepsie, N. Y., Oct. 28-29.—Annual flower show of Dutchess County Horticultural Society. N. Harold Cottam, Sec., Wappingers Falls.

New York, N. Y., Nov. 3, 4, 5.—Annual Chrysanthemum Show of the American Institute, Engineering Societies Building.

Tarrytown, N. Y., Nov. 3-4-5.—Chrysanthemum Show in the Music Hall.

New York, N. Y., Nov. 4-7.—Annual Autumn exhibition of Hort. Soc. of New York, Museum of Natural History.

Cleveland, O., Nov. 10-14.—Annual show and meeting of Chrysanthemum Society of America. In conjunction with the Cleveland Flower Show. Chas. W. Johnson, Sec., 2226 Fairfax Ave., Morgan Park, Ill.

Cleveland, O., Nov. 10-14.—Cleveland Flower Show. The only show of national scope in the United States this fall. F. A. Friedley, Sec., 356 Leader Building.

Meetings.

Boston, Mass., June 19-20.—American Peony Society, Horticultural Hall.

Detroit, Mich., June 21.—Detroit Florists' Club, Bemb Floral Hall, 153 Bates St. R. H. Wells, Sec., 827 Canfield Ave.

Montreal, Que., June 21.—Montreal Gardeners' and Florists' Club, Montreal Floral Exchange, 140 Mansfield St. W. H. Horobin, Sec., 283 Marquette St.

Newport, R. I., June 22.—Newport Horticultural Society, Music Hall. Wm. Gray, Sec., Bellevue Ave., Newport.

San Francisco, Cal., June 22-24.—American Seed Trade Association.

Detroit, Mich., June 23-25.—Annual convention of American Association of Nurserymen.

Hartford, Conn., June 25.—The Connecticut Horticultural Society, County Bldg. Alfred Dixon, Sec., 25 Wilcox St., Wethersfield, Conn.

Dobbs Ferry, N. Y., June 26.—Dobbs Ferry Horticultural Society, Odd Fellows' Hall. B. Harms, Sec.

Newark, N. J., June 26.—Wein, Obst & Gartenbau Verein, 15 Newark St. Peter Caille, Sec., 111 Avon Ave., Newark.

Baltimore, Md., June 27.—Gardeners' and Florists' Club of Baltimore, Florists' Exchange Hall, St. Paul and Franklin Sts. Noah F. Flitton, Sec., Gwynn Falls Park, Sta. F, Baltimore.

Norwich, Conn., June 28.—New London County Horticultural Society, Buckingham Memorial. Frank H. Allen, Sec., 321 Main St., Norwich, Conn.

Providence, R. I., June 28.—Florists' and Gardeners' Club of Rhode Island, Swartz Hall, 96 Westminster St. Wm. E. Chappell, Sec., 333 Branch Ave., Providence, R. I.

Fort Worth, Tex., July 6-7.—Texas State Florists' meeting.

San Francisco, Cal., Aug. 12-14.—Pacific Coast and California Asso. of Nurserymen.

San Francisco, Cal., Aug. 17-19.—Society of American Florists and Ornamental Horticulturists.

AN EVER GREEN SUBURBAN GARDEN.



The accompanying picture shows a bit of garden scenery which even in the dead of winter is never quite desolate or cheerless. The strong features of the grouping are the Rhododendrons, Kalmias and broad-leaved evergreen Berberises with the rich greenery of the Euonymus which clothes the trunks of the old giant apple tree in never-fading verdure. In the rock-bordered beds are Daphne cneorum, Cotoneasters, Iberis sempervirens, Ledums, Andromedas and Leucothoes which add an always green finish to the scene, while the heavy masses of the larger growing material form a lively background against which the pink-flowered dogwood on the left and other deciduous

subjects find in their blooming season an effective contrast.

Winding under the shade of the shrubbery in the background is a little fern-bordered path where are to be found some of the most beautiful of the crested and fringed forms of the hardy ferns, brightened in spring-time, while the ferns are still dormant, with Trilliums, Fritillarias, grape hyacinths and other early flowering bulbous bloom.

Like several other pictures we have published recently, this is a view in the little garden of the editor of HORTICULTURE. Our object in giving publicity to these home pictures is to show in our humble way how much it is possible for one to accomplish in varied garden effect within a very limited space.

San Francisco, Cal., Aug. 18.—American Association of Park Superintendents.

San Francisco, Cal., Sept. 3-5. American Pomological Society.

MASSACHUSETTS AWARDS AT SAN FRANCISCO.

To the Editor of HORTICULTURE:

The awards in the Horticultural Division at the Panama-Pacific Exposition have just been announced, and the exhibit which was planted by the State Board of Agriculture, through the courtesy of many of our leading nurserymen, has received splendid recognition.

For the State, three MEDALS OF HONOR have been awarded for collective exhibit of trees, shrubs, flowers and landscape design, and individual awards have been made as follows:

MEDAL OF HONOR to the Bay State Nurseries, North Abington, for evergreens and shrubs; GOLD MEDALS to R. & J. Farquhar & Company of Boston, for shrubs; to Edward Gillett of Southwick, for woodland plants and ferns; two to the New England Nurseries, of Bedford, one for shrubs and one

for conifers; to Thomas Roland, of Nahant, for acacias; SILVER MEDALS to the Cherry Hill Nurseries, of West Newbury, for iris and to Breck-Robinson Nursery Company, for shrubs and evergreens.

HONORABLE MENTION to George B. Eager of Wakefield, for shrubs and evergreens, and to the Old Colony Nurseries, of Plymouth, for shrubs.

The telegram from which this information has come also says that other awards are coming later, when exhibits are seasonal, as for instance, for the dahlias and carnations.

At this time the Board of Agriculture wishes to express its sincere thanks to the Nurserymen of the State who have so generously helped in making it possible to secure this very high recognition for Massachusetts products.

To Mr. Carl Purdy, who designed the gardens, and through whose untiring efforts at the exposition grounds, the awards have been possible, we also wish to express our thanks.

Very truly yours,

WILFRID WHIPPLE, Sec.,
State Board of Agriculture,
State House, Boston.

More Light and Absolute Safety

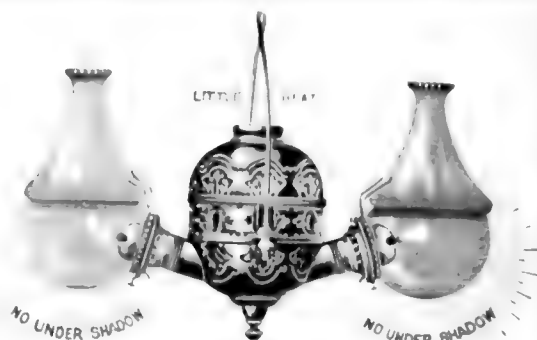
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BURNS KEROSENE. Cannot explode, clog or be overturned. It gives a bright, steady light, no smoke, odor or waste, as bright as gas, reliable and better to read by. 32 varieties, 1 to 4 burners, from \$3.25 up. Write for Catalog H-A-1000.

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GLOBE GAS LIGHT CO., 27 Union Street, Boston, Mass.



A FEW SHOP-WORN LAMPS AT A BARGAIN

Obituary

J. H. Everett.

J. H. EVERETT, proprietor of the Everett Seed Co., 20 W. Alabama street, Atlanta, Ga., died on May 22, aged 65 years.

Mrs. John A. P. Dailedouze.

Mrs. Lillian Dailedouze, wife of John A. P. Dailedouze of Flatbush, Brooklyn, N. Y. died at her home, 583 Linden avenue, on Friday, June 11, aged 25 years.

George H. Evans.

Geo. H. Evans, well known florist of San Francisco, died at the age of 36 years, on June 9th, following a prolonged illness, from which he had hoped to recover by taking up his residence on a farm in Sonoma County a few months ago. Late in May he returned to San Francisco and had disposed of his business in the Richmond district, known as the Jordan Park Floral Co., shortly before his death. He is survived by a widow.

Mrs. C. Bergestermann.

It is with much regret that we must pen the news of the sudden death of Mrs. C. Bergestermann, wife of the well-known St. Louis retail florist, who died on Friday, June 11, from a stroke. Mrs. Bergestermann, who was 56 years old was born at Milstadt, Ill. She leaves a husband and two children, from her former marriage—Edwin Niebling and Mrs. Oscar Ruff. The funeral took place Monday, June 14. The members of the Ladies' Home Circle, and many members in the trade sent floral offerings and were present to express their sympathy.

John Starrett.

A telegram was received by E. C. Winterson, Chicago, on June 14, announcing the death of John Starrett in Florida, near Tampa, Friday, June 11. Mr. Starrett was well known in the Chicago market having been connected for many years with both the wholesale and the retail ends of the business. He was with his brother-in-law Chas. H. Fisk in the wholesale commission business twenty five years ago, going later into the retail work and then back to the wholesale where he was with several firms. Mr. Star-

rett's last work in Chicago was to have charge of the flowers at the La Salle Hotel when he was taken ill with rheumatism. He went to Florida about a year ago in search of health, and had a citrus fruit farm there. The body was brought back to Chicago by Mrs. Starrett and the funeral took place from the home of the son, John Starrett, Jr., on Wednesday.

August Gaedeke.

August Gaedeke, for many years a well-known and prosperous florist of Nashua, N. H., died at St. Joseph hos-



AUGUST GAEDEKE

pital in that city on Tuesday morning from Pleuro-pneumonia after a few days' illness.

Mr. Gaedeke was born in Stettin, Germany, in 1866. At the age of 17 years he went to Perth, Scotland, with an older brother, where he worked as a private gardener for three years. In 1886 he came to America. He located for one year in Cambridge, Mass., and then went to Nashua to work for former United States District Attorney Charles W. Hoitt, who had greenhouses for commercial purposes, and

in 1900, August and his brother Rudolph bought out Judge Hoitt's share in the greenhouses, and Maj. E. Ray Shaw went into partnership with them. In a recent issue we announced the disposal of the business to Fred D. Sperry by Mr. Gaedeke, who was planning to retire.

August Gaedeke was an alert business man, industrious and self-reliant. He was a floriculturist, also, of more than ordinary ability. He made many friends in the trade and among the leading men of his town by his manly traits and impulsively hospitable disposition.

He was married to Miss Ida Benson in Nashua, Aug. 12, 1902, and she has been a great help to him not only in the home but in his business, in which she took an active interest. She is grief stricken at his death. Besides his widow, he has two brothers, Albert of Perth, Scotland, and Rudolph of this city, and three sisters, one living in Milwaukee and two in Stettin, Germany.

TIME FOR FIGHTING.

Reports from all directions indicate an unusually large invasion of insect enemies this season. Gypsy moths, brown-tail moths, canker worms, leaf rollers, cut worms, aphids, tussock moths, white flies, thrips, red spider and heaven knows how many other members of the pest family are getting in their work with a perseverance worthy of a submarine. These can all be fought off by using modern ammunition and there is a good variety offered for this purpose in the pages of this paper. Get busy with the advertisers in this department, who are among your best friends. And, by the way, there are potato bugs and various beetles to be reckoned with—and Hammond can tell you what Slug Shot does to these marauders.

Springfield, Mass.—Marshall Headle, head gardener for the park department has resigned his position and will enter business. Herbert W. Headle, his brother, and other park employees will have charge of the work in the future, although Marshall Headle has consented to assist in certain work in the rose gardens next fall, a part of the park system in which he has been greatly interested.

HORTICULTURE INDISPENSABLE

The following examples of many approving letters received at the office of HORTICULTURE during the past few weeks, show why HORTICULTURE is so valuable as an advertising medium. Intensive circulation is HORTICULTURE'S best quality and practically every reader is a possible customer for the advertiser.

Gentlemen:—Last week's HORTICULTURE is not received. Have you scratched me off your list, or what is the matter? Appreciate your paper more than any of half a dozen I am receiving, and don't want to miss any copies. Will you please investigate?

Yours truly,
Missouri. A. B. K.

Gentlemen:—It is getting late in the season and we wish to discontinue the advertisements which we carry in your paper. We would say that the advertisements which we have carried in your paper have brought us good results, and we feel that the money so expended was well invested.

Yours truly,
Standard Thermo Company,
S. C. LORD, President.

Kindly discontinue my advertisement in the classified advertisement section of HORTICULTURE, rendering bill to date.

Yours is a very good advertising medium. We have rid ourselves of practically all our surplus stock, and are therefore obliged to discontinue.

Very truly yours,
Mass. A.

Here is my dollar for the 1915 trip with HORTICULTURE. HORTICULTURE is all right.
New York. P. F.

Editor HORTICULTURE:

Dear Sir — Enclosed please find \$1.00, my subscription to your valuable paper for another year. Cannot do without it.
Conn. O. A. H.

Dear HORTICULTURE:

We can't keep house without you, and you can't travel without money, therefore I enclose money order to keep you coming for 1915.

Yours admirably,
Iowa. E. S.

We were satisfied with the results from the HORTICULTURE ad., and may be able to give you some further business in the future.

Sincerely yours,
National Floral Corporation,
By Hugo Mock, Pres.

Enclosed is post office order to pay for HORTICULTURE two years more. I like HORTICULTURE very much and hope to read it many more years.
S. F.
N. Y.

One of the many good features of HORTICULTURE is, that those who contribute to its columns always "say something" when they write. I take this opportunity to offer sincere congratulations. "May your shadow never grow less."

Sincerely yours,
New York. P. F.

Editor HORTICULTURE:

Dear Sir:—I have been a subscriber to HORTICULTURE only about five weeks. I find in HORTICULTURE a paper of much importance. I hope to be a reader of it for the long future.

Mass. A. B.

"HORTICULTURE is the finest paper under the sun."
New Jersey. A.

Editor HORTICULTURE:

Dear Sir: — I have always been deeply interested in the letters of contributors in your paper, and find them very helpful.

Respectfully,
N. Y. C. C.

"HORTICULTURE is grand. Keep it up."
B.
San Jose, Cal.

Dear Sirs — Enclosed please find one dollar for another year of the HORTICULTURE. My time is not up yet, but it won't be long. All I can say about your paper is that it is the best of its kind, and I read them all.
R. I. J. B.

Enclosed are two dollars in payment for your very valuable paper. I find its contents timely and instructive.

Sincerely,
Conn. C. S.

Gentlemen: — My paper did not arrive as usual on Saturday. It is all I have to look forward to each week; do not allow that to fail me. Kindly send one along at express rate.
Yours truly,

N. J. G. W.

Gentlemen:—Will you please discontinue my classified gladioli advertisement now running in your paper? I am sold out of nearly all varieties, especially those called for by your readers, and hope to have as good success with you next year.

Yours truly,
Mass. R. W. S.

When Writing to Advertisers Please Mention Horticulture

SEED TRADE

AMERICAN SEED TRADE ASSOCIATION

Officers—President, Lester L. Morse, San Francisco, Calif.; First Vice-President, J. M. Lupton, Mattituck, L. I.; Second Vice-President, E. C. Dungan, Philadelphia, Pa.; Secretary and Treasurer, C. E. Hendel, Cleveland, O.; Assistant Secretary, S. I. Willard, Jr., Cleveland, O.

A list of seed prices by its into New York, for the year ending June 1, 1915 is given as follows: Manure salt, \$44.00; clover seed, \$1.18; grass seed, \$41.00; trees and plants, \$47.00.

From the Consular and Trade Reports of the Department of Commerce at Washington, we learn that the shipments of bulbs from Amsterdam increased from \$65,580 in 1913 to \$73,810 in 1914. Plants amounted to \$61,865 in 1913 and \$69,664 in 1914. The increase in value of seed shipments is particularly suggestive, amounting to \$452,148 for 1914 against \$283,979 for 1913.

CATALOGUES RECEIVED.

Burnett Brothers, New York.—Special Price List of Pot Grown Strawberry Plants.

Henry Mette, Quedlinburg, Germany.—Price list and Special Offer of Unrivalled Pansy Seeds. Two brilliant plates of pansy flowers in colors.

Peter Henderson & Co., New York City.—Midsummer Catalogue, 1915. A tempting strawberry festival exhibit in natural colors on the cover persuades to further perusal of the contents of this seasonable catalogue, which certainly looks like a business getter.

Henry F. Michell Co., Philadelphia, Pa.—Wholesale Catalogue for July and August. Seeds, bulbs, plants and greenhouse supplies are featured in comprehensive detail in this excellent publication. The covers are adorned with pansies and a peony plate in colors is inserted.

NEW CORPORATION.

New Haven, Ind.—New Haven Floral Co., increasing capital stock \$20,000.

Florist's Pliers

"Red Devil" No. 622-5 1/2 in.

Cuts wires as easily as shears cut a stem. Hand honed edge—keeps its edge; handles fit the hand and make the tool work more easily.

Fits the vest pocket. 70c at your dealer's or postpaid from us.

Write for "RED DEVIL" Booklet.

SMITH & HEMENWAY CO., Inc.
181 Chambers St., New York City

TULIP CLASSIFICATION.

The classification of tulips into varietal names but as to authority is a matter of opinion. The Royal Horticultural Society has a committee to prepare a list of names for tulips. The subject has attracted attention, as they have the same trouble abroad that confronts the gardener here. Our readers may be interested in the following notes which we have clipped from *The Garden*, explaining the plans and purposes of a joint committee of the Royal Horticultural Society and the Dutch Bulb Growers' Association which, when perfected, it is hoped will be accepted as a basis of classification by all traders.

The fact that so little is known about the percentage of garden tulips and that the work of breaking up what are obviously hybrid forms into their original species has never yet been accomplished. Mr. W. R. Dykes of this town is just setting about it, but it will be a long, long way to the end. It is impossible to frame any strictly scientific system of grouping. The one about to be put forward is based on garden convenience, and historical and scientific considerations are almost entirely left out of count. "It aims at bringing together those tulips which have a similar habit and which can be harmoniously associated in the garden." The oldest division that we find in English flower books was that which classed tulips as early, mid-season and late bloomers. As we have but few mid-season varieties, the proposed classification leaves out that section and boldly divides all varieties into early and late flowerers as its main groups.

Those which in ordinary seasons are in full flower before the end of April are classed as early flowerers or earlies. They are generally of a dwarf habit, and for the most part are self-colored. The subsections here are two, single and double.

The proposed name for the second main division is May flowerers, and they are described as garden varieties, mostly of a tall and robust habit, which usually flower after May 1. Here the difficulty begins, because, take any principle of useful division that one can think of, the dividing line is exceedingly difficult to draw. There are such numerous gradations both of shape and markings that a wide borderland has to be somewhat arbitrarily divided. The main subsections are, (a) Cottage, (b) Breeder, (c) Broken, (d) Parrot, and (e) Species. The last one includes all the true species, which, as Mr. Hall says, have not been "messed about," not necessarily those with Latin names like *retroflexa*, *elegans* and *gesneriana* spathulata, which are now known to be but garden hybrids.

Taking the above subsections in order, the Cottage is a large amorphous group of self-colored, generally long-shaped flowers of various tones and shades of yellow, red, mauve, or purple. We may have true cups like *Bouton d'Or*; long blooms, like *Mrs. Moon*; some with graceful recurving petals, like *elegans* or *retroflexa*; others egg-shaped, like *Fairy Queen*; and so on ad infinitum.

The Breeders are subdivided into (a) Dutch, (b) English and (c) Darwins. As a group they may be described as self-colored flowers, opening after the manner of a cup with rounded petals, and as a rule strong and vigorous growers. This characteristic is particularly noticeable in the Darwins, and this, together with their being all white ground varieties, constitutes the salient feature of the section. (All Tulips have either white or yellow grounds, which can be seen by an examination of the base or bottom of a flower, by peeling off the inner or outer skin of a petal, which then discloses a middle layer which is either yellow or white and of the same color as is to be seen in the base of the flower.) Breeders are longer and more egg-shaped than the Darwins. English Breeders are more cup-shaped and not so long, and are further distinguished by the more rounded petals.

Broken Tulips are similarly divided into Dutch, English and Rembrandts, which is the name now given to broken Darwins. To a considerable extent they follow the lines of the Breeder divisions.

Parrots are tulips with lacinated petals. Up to the present they have all had yellow grounds. There is, however, no reason why there should not be white grounds in the group, as I think it is now generally recog-

Pansy Seed NEW CROP

GIANT EXHIBITION MIXED. A Giant in which for size of bloom, heavy colors and varied colors and shades, cannot be surpassed. Half trade pkt., 50c; 50c per trade pkt., 1/2 oz. 75c; \$5.00 per oz.

TRIUMPH OF THE GIANTS, MIXED. Produces on long stems, flowers of extra large size, petals broad and overlapping; many beautiful rich and rare shades.

GIANT TRIMARDEAU, MIXED. Very large flowering; choice colors. Trade pkt. 20c; \$1.00 per oz.

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Giant Azure Blue	40	\$0.40 \$1.75
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Giant Emperor William Blue	40	1.75
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Giant King of the Blacks	40	1.75
Giant Lord Beaconsfield, Purple-Violet	40	1.75
Giant Peacock, Blue, Claret and White	40	2.50
Giant Snow Queen, Pure White	40	1.75
Giant Striped and Mottled	40	1.75
Giant White, with Eye	40	1.75
Giant Pure Yellow	40	1.75
Giant Yellow, with Eye	40	1.75

Also Cineraria, Daisy, Myosotis, Primula and all other Seasonable Seeds, Bulbs and Supplies.

LATEST WHOLESALE CATALOG, FREE FOR THE ASKING.

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518 Market St., Phila.

nized that any variety may sport into a Parrot form. Within the last three or four years Messrs. Barr & Sons have listed such a one in their bybloemen with lacinated petals. Sensation.

The Species I have already referred to. Some of those usually placed under this heading in catalogues may in time be found to be hybrids. Like Haworth's species Daffodils, when tested by the process of seedling raising they may be found wanting.

The Conference Show.—A cut-and-dried scheme like the above would lose more than half its value unless every Tulip was placed in its proper subdivision, and grouped in those subdivisions according to its color. This was, as I said last week, one of the reasons for gathering together such a large collection at Vincent Square. In the case of the Cottages and the Darwins, the long and difficult process of selection and combination has been carried out very fully. It will be a guide as to the different varieties that may be grown together without any clashing of color, and in this way it will be of great utility to gardeners. To make things still plainer, a typical flower has been selected in each color group, so that there may be no doubt as to what is the color meant. About four of the best varieties in each have been singled out for detailed description. In this way I hope a start has been made to reduce the huge mass of Tulips, many so much alike that none but an expert could separate them, and then only after a very careful comparison, to something like manageable numbers, to the relief both of the overburdened trader and the doubtful purchaser. Each suffers from the plethora of names (varieties?).

I hope the gardening public will make use of the Royal Horticultural Society's booklet as soon as it is published. I am sure it will prove an immense boon to all if it only comes into general use.

LILY BULBS

RALPH M. WARD & CO.
71 MURRAY ST., - NEW YORK

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	Size	per case	Price
Speciosum Rubrum.	8-9	225	\$12.50
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Send for complete catalogue on all bedding plants.

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Place your order now for Ayres' Winter Flowering

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Newark, N. J. R. F. Schneider, 451 S. Orange Avenue

Chicago, Ill.—Mrs. Theodore Callos, 58 E. Randolph street.

Los Angeles, Cal. Geo. A. Young 315 W. Washington Street

West Hoboken, N. J. — Boulevard Florist, 148 Summit Avenue.

NEWS NOTES.

Milwaukee, Wis.—Nic Zwestel has sold his greenhouses to Greenwald & Son, and will retire from business.

Stoughton, Mass.—George H. Ziefelder and Miss Louisa Wacker of Randolph have registered their intentions to get married.

Winona, Minn.—Geo. W. Hartner and Joseph Orlowski have purchased the West End Greenhouse and will conduct the business under the name of the Winona Floral Co.

New Bedford, Mass.—The stores are reporting business rather dull since Memorial Day, though there is a steady sale for spring planting at the greenhouses. Weddings are numerous, though many of them are such quiet affairs that few flowers are used.

Webster, Mass.—August Meyer, an employee of F. C. Reibe, florist, was severely injured in a wagon on Main street last week, Monday afternoon. He was delivering potted plants, and standing in the wagon either suffered a fainting spell or lost his balance and fell to the pavement. He suffered a fractured wrist, injury to his collar bone, and a scalp wound requiring 12 stitches to close.

The National Floral Corporation is making progress in enlisting retail florists throughout the country and now has representative florists as members in the following cities: Fall River, Mass.; New Bedford, Mass.; Newburyport, Mass.; Worcester, Mass.; Albany, N. Y.; Auburn, N. Y.; Charleston, S. C.; Spencer, Ind.; Baltimore, Md.; Cleveland, Ohio; Fort Dodge, Ia.; Shreveport, La.; San Antonio, Texas; Harrisburg, Pa.; Brattleboro, Vt.; Lima, Ohio.

The announcement of the National Floral Corporation will be found on another page.

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DETROIT, MICH.**Artistic Designs . . .
High Grade Cut Blooms**

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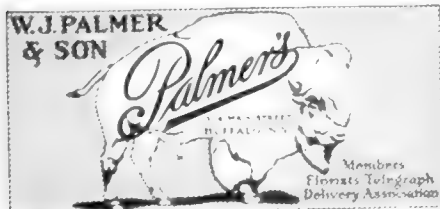
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Boston—Penn. the Florist, 37-43 Brom-
field St.Buffalo, N. Y.—S. A. Anderson, 440 Main
St.

Buffalo, N. Y.—Palmer's, 304 Main St.

Chicago, Ill.—Schiller the Florist, George
Asmus, Mgr.Chicago—William J. Smyth, Michigan
Ave. and 31st St.Cleveland, O.—J. M. Gasser Co., Euclid
Ave.Cleveland, Ohio—Adam Graham & Sons,
5523 Euclid Ave.Denver, Col.—Park Floral Co., 1643
Broadway.Detroit, Mich.—J. Breitmeyer's Sons,
corner Broadway and Gratiot Ave.

Houston, Tex.—Kerr, The Florist.

Kansas City, Mo.—Samuel Murray, 1017
Grand Ave.

New London, Conn.—Reuter's.

New York—David Clarke's Sons, 2139-
2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—Young & Nugent, 42 W. 28th.

New York—Dards, N. E. corner 44th St.
and Madison Ave.

New York—Max Schling, 22 W. 59th St.

New York—G. E. M. Stumpp, 761 Fifth
Ave.New York—Thos. F. Galvin, Fifth Ave.,
at 46th St.

New York—Myer, 609-611 Madison Ave.

New York—A. T. Bunyard, 413 Madison
Ave.New York—National Floral Corporation,
220 Broadway.

Norwich, Conn.—Reuter's.

Omaha, Neb.—Hess & Swoboda, 1415
Farnum St.Rochester, N. Y.—J. B. Keller Sons, 25
Clinton Ave., N.St. Louis, Mo.—Fred C. Weber, 4326-28
Olive St.

St. Paul, Minn.—Holm & Olson, Inc.

Tarrytown-on-Hudson, N. Y.—F. R. Pier-
son Co.Toronto, Can.—J. H. Dunlop, 96 Yonge
St.Washington, D. C.—Gude Bros., 1214 F
St.Washington, D. C.—F. H. Kramer, 915
F St., N. W.

Westerly, R. I.—Reuter's.

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3 Pleasant St.

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We find it necessary to again warn
the trade against giving money for
subscriptions for "Horticulture" to
travelling solicitors. "Horticulture"
gives no premiums and has no sub-
scription solicitors on the road. Any
such claiming to represent this paper
are impostors and sharpers.**ROBERT J. DYSART**

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NEWS ITEMS FROM EVERYWHERE

BOSTON.

W. R. Miller, florist, 100 Essex St., has been elected president of the B. F. F. S. for 1915-1916.

William Miller of Essex has gone to Boston, England, via Cape May, Me., to see through the summer.

Norris F. Conley is cutting and marketing heavy daily cuts of his special Terrace Hall tomato, also the English variety Buck's Tresco.

We have to report the serious illness of Peter M. Miller of Thos. J. Grey Company, with pleurisy, but are pleased to announce that he is now convalescing satisfactorily.

On Saturday and Sunday, June 12 and 13, Professor C. S. Sargent's gardens at Brookline were opened to the public to enjoy the gorgeous spectacle of the rhododendrons and azaleas. The number of visitors was very large.

The two sensations of the week in this community are the failure of Sidney Hoffman and the death of August Gaedeke. The latter, although located in Nashua, N. H., was well known in the flower market section here and highly esteemed.

Express wagon loads of boxes addressed to numerous florists in northern New York, New Hampshire, Maine, Massachusetts and Vermont, have been noted repeatedly, during the past few days especially, leaving the Welch Bros.' wholesale place, showing a very encouraging activity in the shipping business, while local trade was noticeably quiet.

PHILADELPHIA.

Arthur Niessen tripped on a board in the store and fractured an elbow. Is at his desk, but can't sign checks. Head all right. Will be O. K. in about a month, he thinks.

The annual picnic of the Philadelphia Florists' Club will be held at Scheutzen Park on June 21, afternoon and evening. Games will be held in the afternoon and after dinner there will be music and dancing in the pavillion.

Among the June weddings of interest to many in the trade may be mentioned Marie Westcott, Grace Marie Habermehl and Elizabeth Burton. Miss Westcott's will occur on June 15, Miss Habermehl's on the 23rd. Your society reporter has not been informed of Miss Burton's date.

Messrs. John Young and F. R. Newbold of New York had a meeting here June 10, with representatives of Philadelphia's 400 to arrange for a tea room as a feature of the National Flower Show of 1916. The local sub-committees of the National Committee also held a meeting on the same date.

The crop of June brides is unusually luxuriant this year. Your society reporter no sooner finishes a paragraph about several of them than along comes word of another. So off

comes the list and on goes the snail again. This time it is for Elizabeth Lewis Holmes, daughter of H. L. Holmes of Harrisburg, who will be married June 24 to Arthur Park Ruthenford.

PITTSBURGH.

The annual employees' outing of the A. W. Smith Company was held last Sunday at Canfield, Ohio, the home of the Smith nurseries.

The five-acre estate of Mrs. Thomas Armstrong has attracted much admiration owing to a border of Azalea mollis. Richard B. Harris is in charge of these grounds.

DeForest Ludwig has been spending the past few days at Meyersdale in the Allegheny Mountains. His brother, Edward Ludwig, will return home today from Cornell University, where he ends his junior year.

The Joseph Horne Company is advertising Tuesdays and Wednesdays as Rose Days, and will beautify the store with bowers of these lovely June blossoms. These floral demands will as usual be supplied by the A. W. Smith Company.

At the A. R. Peacock greenhouses, Henry B. Kreillor, the head gardener, has over 3000 chrysanthemums, 2000 carnations and 1000 cyclamens coming on for next season. Mr. Kreillor, who is a Scot, was formerly at the H. C. Frick estate with David Frazer, and later with T. Hart Given.

J. C. Trees, of North Highland Ave., is contemplating an additional rose and carnation house, twenty feet by fifty, to his propagating house, which is under the supervision of Pasquale Fabbuzzi. Mr. Fabbuzzi has some exceptionally fine massed hybrid tea roses throughout the estate.

Nicholas Castelluccio, who superintends the horticultural features for the Penn. R. R. from Pittsburgh to Scottsdale, has added immensely to the appearance of the East Liberty Station waiting room by a large central round of palms and other tropical foliage surrounded by white marble. Mr. Castelluccio has just added two charming beds geraniums bordered with coleus and cannas with a border of salvia—to the grounds of the superintendent adjoining the station grounds.

"Hearts and Flowers" is the firm music of the Ludwig Floral Company, these days. Announcement has just been made of the engagement of Gilbert Ludwig the secretary, to Miss Loretta Grau, which will terminate in a quiet home wedding about the middle of July. The bridegroom-to-be is the son of Mr. and Mrs. Gustave Ludwig, and his fiancée has for some time been associated with the firm's business office. The marriage of Miss Anna Meuschke, the daughter of Mr. and Mrs. Henry Meuschke (the former treasurer of the Ludwig Floral Company), to Louis Walthers, also of Pittsburgh, will be an elaborately appointed ceremony of Wednesday evening next at the Meuschke home in Castle Shannon.

ST. LOUIS.

Erikson Floral Co., who opened recently in the Ial Alai Building has moved up his place. Mr. Erikson is from Atlanta, Ga., where he operated a range of glass known as the Erikson Floral Co.

The Ladies' Home Circle met at the home of Mrs. A. Meyer, Jr. on June 9 and were splendidly entertained by the hostess. Mrs. John Stedel of Olivette will entertain the ladies at their next meeting, July 14.

The many friends of Prof. Wm. Trelease, former director of the Missouri Botanical Garden, was glad to see him in his recent visit here early this month. The professor is now head of the School of Botany at University of Illinois.

The flower wholesalers at a meeting held at Kuehn's on Saturday, June 12, decided to close at 5 P. M. daily and on Saturday at noon and remain closed until Monday morning, for the next three months. Notices will be mailed to all in the trade to this effect.

NEW YORK.

William Plumb arrived home from Cuba on the S. S. Havana last Wednesday morning, rosy and smiling as ever.

Brief mention of the marriage of David Don and Miss Vine comes to us at the last moment without details. Congratulations.

The committee in charge of the N. Y. Florists' Club outing on July 14, report a very large advance sale for tickets to that happy annual affair.

Alfred T. Bunyard, retail florist, has leased additional store space in 413 Madison avenue, corner of 48th street, where he has been located for a number of years.

Secretary John Young is overflowing with enthusiasm and optimism regarding the progress of preliminary work for the National Flower Show at Philadelphia.

Portland, Me.—The exhibit by the agricultural department at the Maine State Exposition during the past week has attracted large numbers of visitors and is regarded by the fair management as one of the most educational sections at the exposition. The bureau of moth work combined their exhibits into a very effective display of entomological specimens, of insects of injurious propensities, including the gypsy and browntail moths. Of remarkable interest was the exhibit of parasites such as are being bred at the state's laboratory in Portland to prey upon the undesirable insect inhabitants of Maine. Feeding trays for the parasites, such as are in regular use were shown and on these the parasites were seen partaking of the rations provided them, which consisted of browntail moth caterpillars.

"HERE COMES THE BRIDE"

and she can't get along without the florist. June should be your **Busy Month.**

FOR THE JUNE WEDDING

we have **Lace Bridal Holders, Wedding Cords, Wedding Posts, Wedding Gates, Kneeling Stools, Gauze Chiffons** for Shower Bouquets; **Bridal Scarfs, Resting Baskets, Shepherd's Crooks, Directoire Staffs.**

Stunning Novelties—Our New Decorative Bird Cages on Stands and Single Bird Cages are the sensation of the season.

FOR COMMENCEMENTS AND GRADUATION GIFTS

Hi-Art Decorative Commencement Baskets and all other accessories.

Stock up now and have the goods to show customers. Send for prices and you will be astonished to see how much you can do with a little money when you go straight to headquarters

THE FLORISTS' SUPPLY HOUSE OF AMERICA

H. BAYERSDORFER & CO., 1129 Arch Street, PHILADELPHIA, PA.

SAN FRANCISCO.

At the call of chairman W. A. Hofinghoff of the Ladies' entertainment committee for the S. A. F. Convention, the women connected with the local trade met a few days ago and organized with Mrs. J. Vallance as president; Mrs. H. Plath, vice-president; Mrs. J. Gill, secretary, and Mrs. Wessell, treasurer. They are now preparing various features for the entertainment of the ladies at the convention.

The show of the American Sweet Pea Society opened in the Palace of Horticulture at the Panama-Pacific International Exposition on the afternoon of Friday, June 11, to continue for three days, the date having been changed for the second time from June 23 and 24 on account of the effect of the warm weather on the flowers. John McLaren and Harry Smith of San Francisco, Chas. Howard of Los Angeles and G. A. Dennison of the exposition horticultural department constitute the board of judges.

One of the largest outdoor decorations ever carried out in this vicinity, was handled the past week by the MacRorie-McLaren Co. It embraced the decoration of Union Square in honor of the convention of the National Electric Light Association. A bank of about 800 pink hydrangeas was arranged around the base of the Dewey monument, and the shaft of the monument for fifteen feet above was covered with eucalyptus studded with jewels, such as are on the Tower of Jewels at the exposition. With the monument as a central figure, a classic colonnade completed the scheme, each column being surmounted by an urn of hydrangeas and adorned with garlands of oak.

WASHINGTON

George Field's cut of *Cattleya gigas* is among the best that has been seen here for some time.

A civil service examination will be held in this city on July 7 for the purpose of securing eligibles for the position of aide in the division of plants of the National Museum.

Articles incorporating F. W. Bolgiano & Co., 1009 B street N. W., have been filed. The purpose for which the company is incorporated is given as the buying, selling, manufacturing and dealing generally in seeds, fertilizers, farming implements and harness. Capital stock \$50,000. Trustees: F. W. Bolgiano, Raymond B. Ward, Robert T. Maffet, Bessie McE. Bolgiano, Clair V. Allen, George E. Gude and Cyrus F. Armiger.

The Bureau of Standards of the Department of Commerce is inviting proposals for certain gardening work to be done from time to time during the coming year. These services will be required according to the demands of any work which cannot be reduced to formal contracts for particular jobs. Persons desiring to bid should apply either in person or by mail at the office of the Bureau of Standards, where they will be furnished with the necessary blanks upon which to submit their proposals.

VISITORS' REGISTERED.

Lenox, Mass.—W. E. Marshall, New York.

Montreal, Canada—Patrick Welch, Boston.

Hot Springs, Ark.—Herbert Chase, Delta, Colo.

Boston—Clarence Studley, Richfield, Conn.; Theodore Outerbridge, Sunnyslands, Bermuda.

Pittsburgh, Pa.—Jac. Bulk, Boskoop, Holland; Henry Blind of Harmony Nursery Co., Evans City, Pa.

Philadelphia—John Young, New York; F. H. Kramer, Washington, D. C.; F. R. Newbold, New York.

St. Louis—Paul Stark, secretary of the Stark Nurseries, Louisiana, Mo.; Wendell Webster, Centralia, Ill.

New York—S. J. Reuter and L. J. Reuter, Westerly, R. I.; W. R. Pierson, Cromwell, Conn.; E. J. Fancourt, representing S. S. Pennock-Meehan Co., Philadelphia, Pa.

Chicago—M. E. Wyatt, Watseka, Ill.; J. M. Smith, Milford, Ill.; De Forest W. Ludwig, Pittsburgh, Pa.; C. E. Pinney representing the Kentucky Tobacco Product Co., Louisville, Ky.

Washington, D. C.—Fred Michell, Jr., Philadelphia, Pa.; Theodore Outerbridge, Bermuda; Milton Moss, Huntsville Wholesale Nurseries, Huntsville, Ala.; Sidney H. Bayersdorfer, representing H. Bayersdorfer & Co., Joseph J. Goudy, representing H. A. Dreer, and Clifford E. Larzelere, all of Philadelphia, Pa.

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**VALLEY CATTLEYAS
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A Large Supply of PEONIES

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Our Quotations Will Interest You

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WELCH BROS. CO.
AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE
SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED
226 Devonshire Street, Boston, Mass.

WHOLESALE FLOWER MARKETS		TRADE PRICES—Per 100 TO DEALERS ONLY							
		CINCINNATI June 7	CHICAGO June 14	BUFFALO June 14	PITTSBURG June 14				
Roses									
Am. Beauty, Special.....	25.00 to 30.00	25.00 to 30.00	25.00 to 30.00	25.00 to 30.00	25.00 to 30.00	25.00	15.00	to 20.00	
" " Fancy and Extra.....	15.00 to 20.00	15.00 to 20.00	15.00 to 20.00	15.00 to 20.00	15.00 to 20.00	15.00	10.00	to 12.50	
" " No. 1.....	8.00 to 12.00	8.00 to 12.00	8.00 to 12.00	8.00 to 12.00	8.00 to 12.00	8.00	3.00	to 6.00	
Killarney, Richmond, Extra.....	4.00 to 6.00	4.00 to 6.00	4.00 to 6.00	4.00 to 6.00	4.00 to 6.00	4.00	2.00	to 4.00	
" " Ordinary.....	6.00 to 8.00	6.00 to 8.00	6.00 to 8.00	6.00 to 8.00	6.00 to 8.00	6.00	4.00	to 6.00	
Hillingdon, Ward, Sunburst, Extra.....	4.00 to 6.00	4.00 to 6.00	4.00 to 6.00	4.00 to 6.00	4.00 to 6.00	4.00	2.00	to 3.00	
" " Ordinary.....	8.00 to 10.00	8.00 to 10.00	8.00 to 10.00	8.00 to 10.00	8.00 to 10.00	8.00	6.00	to 10.00	
Arenberg, Radance, Taft, Extra.....	6.00 to 8.00	6.00 to 8.00	6.00 to 8.00	6.00 to 8.00	6.00 to 8.00	6.00	4.00	to 6.00	
" " Ordinary.....	3.00 to 5.00	3.00 to 5.00	3.00 to 5.00	3.00 to 5.00	3.00 to 5.00	3.00	2.00	to 4.00	
Russell, Hadley, Ophelia, Mock.....	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00	1.00	to 2.00	
Carnations, Fancy.....	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00	.75	to 1.00	
" " Ordinary.....	35.00 to 50.00	35.00 to 50.00	35.00 to 50.00	35.00 to 50.00	35.00 to 50.00	35.00	25.00	to 50.00	
Cattleyas.....	.....	.....	.....	.....	.....	.....	.....	.....
Dendrobium formosum.....	.....	.....	.....	.....	.....	.....	.....	.....
Lilies, Longiflorum.....	.....	.....	.....	.....	.....	.....	.....	.....
" " Rubrum.....	.....	.....	.....	.....	.....	.....	.....	.....
Lily of the Valley.....	.....	.....	.....	.....	.....	.....	.....	.....
Daisies.....	.....	.....	.....	.....	.....	.....	.....	.....
Stocks.....	.....	.....	.....	.....	.....	.....	.....	.....
Snapdragon.....	.....	.....	.....	.....	.....	.....	.....	.....
Gladioli.....	.....	.....	.....	.....	.....	.....	.....	.....
Peonies.....	.....	.....	.....	.....	.....	.....	.....	.....
Sweet Peas.....	.....	.....	.....	.....	.....	.....	.....	.....
Gardenias.....	
Adiantum.....	
Smilax.....	
Asparagus Plumosus, Strings (100)	
" " & Spreng. (100 bchs.)	

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264 RANDOLPH ST., DETROIT, MICH.

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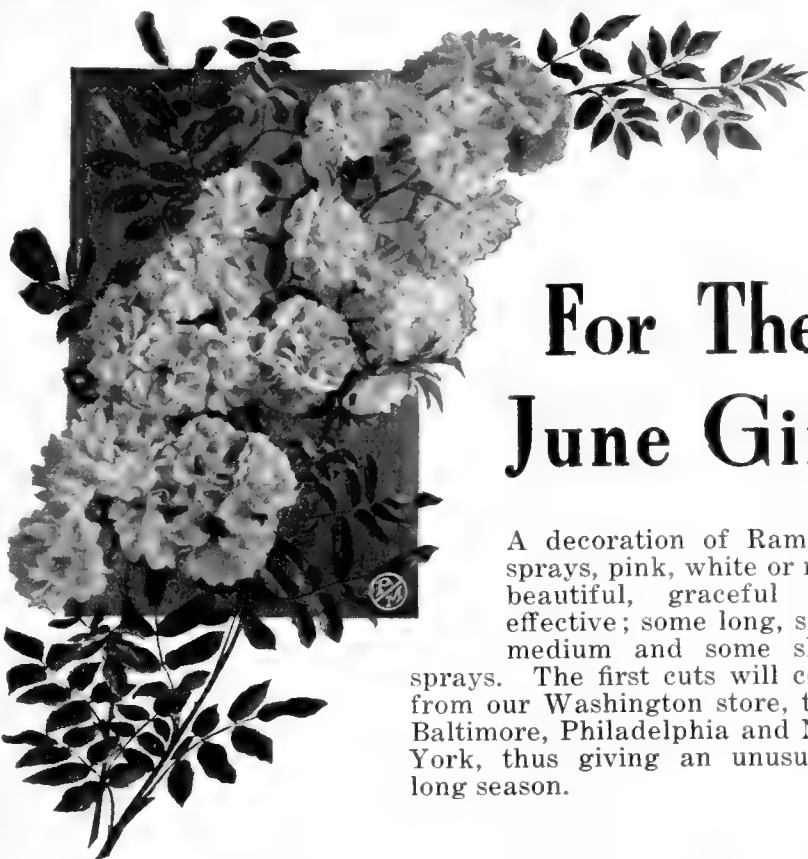
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RICHMOND, IND.
Please mention Horticulture when writing.

Flower Market Reports

As the season of com-
BOSTON mencelements and gradua-
tions which means so
much to florists in the New England
states approaches its close there is
abundant evidence that this flower
market is in for a low tide experience
shortly. Already the carnations, lilies,
roses, snapdragons, sweet peas and
other regular stock appears in accumu-
lated surplus on all the wholesale
counters while local grown peonies are
just beginning their onslaught. "The
beginning of the end" is with us, un-
questionably, and a general tearing up
and throwing out will soon be under
way in the flower growing establish-
ments of this section.

There was any amount
BUFFALO of anything in the line
of cut flowers the past
week. Ideal summer weather has
brought on stock faster than could be
handled to advantage, especially roses,
which were in enormous supply, also
lilies and carnations. Floral work was
quiet and weddings were hardly notice-
able and all wedding material lacked
the demand. Peonies are plentiful and
sell only at low figures. Good Festiva
maxima were had and those sold at
fair prices. 'Outdoor material in great
variety is being loaded on the market.

The street car strike
CHICAGO had an immediate effect
upon the business of
the Chicago florists. The last cars
ran on Sunday evening and on Mon-
day morning there was no way for
florists to get their usual supply of
flowers, except to come after them with
their delivery cars or wagons, and a
rain made this inconvenient. Then
too, the demand on the wholesale mar-
ket was naturally lighter as the re-
tailers had no reason to expect the
usual number of customers when
street car service was suspended. The
latter half of last week was not very
encouraging. The cold damp weather
put a check on local trade and were
it not for a fairly good shipping trade,
stock would have accumulated serious-
ly. Weddings and commencements
have kept the shipping orders coming
and there has been plenty of a high
grade of stock to fill them with.
American Beauty roses have been as
much a favorite for these occasions
as in former years and the demand
has been good. Mrs. Russell leads the
market in other roses and its color is
just as good as in bright weather.
Sunburst, the pride of so many grow-
ers during the winter, is nearly faded
out this week for lack of sunshine.
Carnations are of excellent quality,
the cool weather of the last six weeks
keeping them firm. There is a good
supply of lily of the valley and a con-
siderable quantity changes hands each
day. Lilies seem to be in excess of
demand. Many vases filled with them
are seen in every store. The daisies
in both white and yellow, always pop-
ular in commencement time, are espe-
cially good now and can be had in any
quantity. Peonies are at the height of
their season this week. The quality is
not extra but is considered fair.



For The
June Girl

A decoration of Rambler
sprays, pink, white or red;
beautiful, graceful and
effective; some long, some
medium and some short
sprays. The first cuts will come
from our Washington store, then
Baltimore, Philadelphia and New
York, thus giving an unusually
long season.

\$5.00 to \$20.00 per 100 sprays, according to
length of sprays

S. S. PENNOCK-MEEHAN CO.

The Wholesale Florists of Philadelphia

PHILADELPHIA, 1608-1620 Ludlow St. NEW YORK, 117 West 28th St.
BALTIMORE, Franklin & St. Paul Sts. WASHINGTON, 1216 H St., N. W.



WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100
TO DEALERS ONLY

	BOSTON June 16		ST. LOUIS June 14		PHILA. June 7	
Roses						
Am. Beauty, Special	12.00	to 16.00	20.00	to 30.00	20.00	to 25.00
" " Fancy and Extra	8.00	to 10.00	10.00	to 15.00	12.00	to 20.00
" " No. 1	4.00	to 5.00	5.00	to 8.00	5.00	to 10.00
Killarney, Richmond, Extra	4.00	to 5.00	3.00	to 5.00	5.00	to 8.00
" " Ordinary	1.00	to 2.00	2.00	to 3.00	1.00	to 4.00
Hillingdon, Ward, Sunburst, Extra	3.00	to 5.00	5.00	to 6.00	4.00	to 8.00
" " Ordinary	1.00	to 2.00	3.00	to 4.00	2.00	to 3.00
Arenberg, Radiance, Taft, Extra	1.00	to 5.00	.....	to	4.00	to 8.00
" " Ordinary	1.00	to 2.00	.....	to	1.00	to 3.00
Russell, Hadley, Ophelia, Mock	2.00	to 8.00	5.00	to 6.00	8.00	to 12.00
Carnations, Fancy	1.00	to 2.00	2.00	to 3.00	2.00	to 4.00
" " Ordinary	.75	to 1.00	.75	to 1.00	1.00	to 2.00
Cattleyas	20.00	to 35.00	35.00	to 40.00	25.00	to 50.00
Dendrobium formosum	.....	to 40.00	.....	to 50.00	25.00	to 50.00
Lilies, Longiflorum	3.00	to 4.00	4.00	to 5.00	5.00	to 8.00
" " Rubrum	.....	to 3.00	.....	to .....	.....	to
Lily of the Valley	2.00	to 4.00	3.00	to 4.00	1.00	to 4.00
Daisies	.50	to 1.00	.50	to .50	1.00	to 1.00
Stocks	1.00	to 1.50	4.00	to 5.00	1.50	to 3.50
Snapdragon	.10	to 3.00	2.00	to 4.00	.....	to 3.00
Gladioli	2.00	to 4.00	3.00	to 4.00	2.00	to 3.00
Peonies	1.50	to 3.00	4.00	to 5.00	2.00	to 3.00
Sweet Peas	.25	to 1.00	.25	to .50	1.00	to 1.50
Gardenias	10.00	to 12.00	1.00	to 2.00	15.00	to 25.00
Adiantum	.50	to 1.00	1.00	to 1.25	.....	to 1.00
Smilax	12.00	to 15.00	20.00	to 25.00	.....	to 20.00
Asparagus Plumosus, Strings (100)	25.00	to 50.00	35.00	to 50.00	.....	to 50.00
" " & Spreng. (100 Bchs.)	25.00	to 35.00	15.00	to 20.00	25.00	to 50.00

Never in the history
NEW YORK of the flower trade in
New York has the
business been so completely stagnated
as during the past week. It has gone

to pieces completely and without a
vestige of comfort of any sort. We at-
tempt to quote prices to keep up long-
standing custom, but they really mean
(Continued on page 827)

H. E. FROMENT

Wholesale Commission Florist
Choice Cut Flowers

New Address, 148 West 28th St., NEW YORK
Telephones: 2200, 2201, Madison Square.

Moore, Hentz & Nash

Wholesale Commission Florists

55 and 57 West 26th Street
Telephone No. 755
Madison Square **New York**

WM. P. FORD

Wholesale Florist

107 W. 28th Street, NEW YORK

Call and inspect the Best Establishment
in the Wholesale Flower District.

GEO. C. SIEBRECHT

WHOLESALE FLORIST

109 WEST 28th ST

CONSIGNMENTS SOLICITED

PHONE 605 / MADISON SQ., NEW YORK

JOHN YOUNG & CO.

Wholesale Florist

53 WEST 28th STREET NEW YORK CITY

Consignments Solicited

Phone 7362 Madison Square

THE KERVAN COMPANY

Ferns, Mosses, Wild Smilax, Galax,
Lonicera, Palmetto, Cyas, both fresh
cut and prepared.

Laurel, Hemlock, all Decorating Evergreens.
Tel. 1583 / Mad Sq 119 W. 28 St., New York

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

M. C. FORD

121 West 28th St., NEW YORK

FINE ROSES, FANCY CARNATIONS

A Full Line of ALL CUT FLOWERS
Telephone, 8870 or 8871 Madison Square

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We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Decorative Glassware, Growers and
Florists' Requisites

P. J. SMITH

WHOLESALE COMMISSION FLORIST SELLING AGENT FOR
LARGEST GROWERS

A full line of Choice Cut Flower Stock for all purposes.

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ALBANY CUT FLOWER EXCHANGE

THOMAS TRACEY, Mgr. 611 Broadway, ALBANY, N. Y.

WHOLESALE ONLY

SAVE TIME AND MONEY BY SENDING YOUR ORDER TO US

Prices Right. Consignments Solicited. Telephone Connection

HEADQUARTERS FOR NOVELTIES

ORCHIDS A SPECIALTY

THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND

GARDENIAS, DAISIES, ROSES AND CARNATIONS

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CHARLES MILLANG

Wholesale Florist

55 and 57 W. 26th Street, - - NEW YORK

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WHOLESALE FLORISTS, 34 West 28th St., New York

Telephones { 1664 / 1665 } Madison Square

CONSIGNMENTS SOLICITED

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS

	Last Half of Week ending June 12 1915		First Half of Week beginning June 14 1915	
American Beauty, Special	10.00	to 15.00	15.00	to 20.00
" " Fancy and Extra	5.00	to 8.00	4.00	to 10.00
" " No. 1	2.00	to 3.00	2.00	to 3.00
Killarney, Richmond, Extra	2.00	to 4.00	2.00	to 4.00
" " Ordinary	.25	to 2.00	.15	to 1.00
Hillingdon, Ward, Sunburst, Extra	2.00	to 6.00	2.00	to 4.00
" " Ordinary	.50	to 1.00	.15	to 1.00
Maryland, Radiance, Taft, Extra	2.00	to 4.00	2.00	to 4.00
" " Ordinary	.25	to 2.00	.15	to 1.00
Russell, Hadley, Ophelia, Mock	2.00	to 8.00	2.00	to 8.00
Carnations, Fancy	1.00	to 1.50	.75	to 1.00
" " Ordinary	.25	to .50	.15	to .50

Tel 167 and 4468 Madison Sq. Established 1887. Open 6 a. m. daily

"OLD AND RELIABLE," YET ALWAYS PROGRESSIVE
J. K. ALLEN

Has removed to a more spacious and modern equipped store at 118
West 28th Street. Every facility and convenience for the care and
sale of flowers. Growers Please Call and Inspect.

WALTER F. SHERIDAN

Wholesale Commission Dealer in

CHOICE CUT FLOWERS

133 West 28th Street, New York

Telephone—3532-3533 Madison Square

Frank H. Traendly Charles Schenck

TRAENDLY & SCHENCK

Wholesale Florists

436 6th Avenue, Between 26th and 27th Sts., New York

Telephones: 798 and 799 Madison Square
Consignments Solicited

GUTTMAN & RAYNOR, Inc.

A. J. GUTTMAN, President.

Wholesale Florists

101 W. 28th St., NEW YORK

We have 20 years' experience behind us.
Telephone, Madison Square 896 and 897.



Flower Market Reports

(Continued from page 825)

nothing. There is no such thing as a stated market value on floral product of any kind. An idea of the condition as it exists at present is readily gained when one sees on every block on Sixth avenue, from 14th to 33rd street push carts with pails of big peonies selling at 1c. each. It is useless to attempt to go into detail regarding the various standard flowers in the market. All are in the same predicament.

The market conditions here the past week are tersely summed up in the words of a prominent wholesaler: "Too much stock for all the business there was." Business is rather slow, and the fine weather has brought in largely increased supplies, causing a good deal of a glut. Prices have been hard to hold, and at end of last week much went unsold, there being no takers at any price on many things. Qualities continue very good for this time of year. Northern-grown Beauties are arriving in excellent shape. The lily crop is still redundant, and now come along the candidums to help make things still worse. Carnations very glutty.

The recent warm weather and copious rains following the unusually long cold spring weather has forced vegetation and blooms of all description, and flowers are literally pouring in from every direction. Unfortunately, however, as the product increases, the business demands decrease with prices in proportion. Peonies and iris are the acme of perfection, and, considering the lateness of their season, carnations and roses are exceptionally of good quality. For the past ten days one Northside retailer has been advertising roses at fifteen cents per dozen, many out-of-town people taking advantage of the "ad" for "hothouse flowers," and one large department store has been disposing of its stock at "a penny" apiece.

Owing to the warm weather flowers have been more plentiful the past week, which has had a tendency to weaken the market despite the fact that the demand is well up to normal. White hydrangeas are in good supply with a fair movement. Dahlias are increasing in quantity, but the quality so far is not of the best, and they do not move readily for that reason. A limited amount of phlox is appearing and is being readily absorbed. Sweet peas are at their best, but the supply is a little greater than the demand. The same is true of carnations. Marigolds, stocks, cornflowers and other summer annuals are abundant. Roses continue on about the same basis. Stocks are heavy and only the best offerings clean-up closely. Some nice late peonies are offered at prices a shade lower than last year's quotations.

The market is in such a condition that the commission men can not dispose of the daily consignments as the demand is very slow and ship-

PATRICK WELCH, WHOLESALE FLORIST

262 DEVONSHIRE STREET, BOSTON, MASS.

TELEPHONE MAIN 2698

American Beauties, Orchids, Valley, Carnations. All the novelties in the Cut Flower Market furnished on short notice. Prices quoted on application. No retail orders accepted. Flowers shipped out of Boston on early trains.

STORE OPEN FOR BUSINESS AT 6 A. M.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending June 12 1915		First Half of Week beginning June 14 1915	
	10.00	to 35.00	10.00	to 25.00
Cattleyas.....	2.00	to 3.00	2.00	to 2.50
Lilies, Longiflorum.....	1.00	to 3.00	2.00	to 3.00
Rubrum.....	2.00	to 3.00	1.00	to 2.00
Lily of the Valley.....	.....	to 1.00	.....	to 1.00
Daisies.....	1.00	to 2.00	1.00	to 2.00
Stocks.....	.50	to 1.00	.50	to 1.00
Snapdragon.....	1.00	to 2.00	1.00	to 2.00
Iris.....	1.00	to 4.00	1.00	to 4.00
Gladioli.....	1.00	to 2.00	.75	to 1.50
Peonies.....	.25	to .75	.25	to .75
Sweet Peas.....	.....	to 1.00	.....	to 1.00
Corn Flower.....	2.00	to 20.00	2.00	to 20.00
Gardenias.....	.50	to .75	.50	to .75
Adiantum.....	8.00	to 15.00	15.00	to 20.00
Smilax.....	15.00	to 35.00	15.00	to 35.00
Asparagus Plumosus, strings (per 100).....	10.00	to 20.00	10.00	to 20.00
& Spreng (100 bunches).....				

ments large with prices very low and quotations on large lots would not look well on paper. There are a lot of extra good roses coming in. Killarneys comprise the bulk of the rose stock. Carnations are extremely plentiful. Enchantress are in the big majority.

Weather conditions have undergone a marked change during the past few days and Washington is sweltering in a midsummer heat. This has had a serious effect upon roses and carnations. The outdoor sweet peas are making their appearance in increased number and are very good. The demand for American Beauty roses last week was very good and orders literally poured in from southern points. The demand for good white roses is keeping up remarkably well. The market on these cleans up well daily. There has been a very good demand for cattleyas and these sell as soon as received. Some good miltonias are to be had but there is no call for these. Dorothy Perkins roses are an addition to the local market. Business during the past week or ten days has been good. With the society folks closing up their houses a let-up is expected in the rush although the dull season will be later in coming this year than last.

PERSONAL.

Frederick Liston, formerly at 1712 Race street, Philadelphia, is now located at Metcalf Farm, Erie, Pa.

William Gibson has moved from Clarksburg, W. Va. and taken a position in the flower store of the Idle Hour Nurseries, Macon, Ga.

Charles F. Edgar has given up his store in West Philadelphia, Pa., and is now located at Atlantic City, N. J., with the Edwards Flower Shop.

Chas. Beekman, Jr., of Elmhurst, N. Y., and Miss Minnie Speyer of Steinway, N. Y., were married June 16th. Their honeymoon will be spent in Massachusetts.

BUSINESS TROUBLES.

San Diego, Cal.—Thomas Cash, nurseryman, assets, \$9,391.03, liabilities, \$16,401.14.

Salem, O.—V. A. Cowgill, voluntary petition in bankruptcy, assets, \$17,275; liabilities, \$15,816.34.

Sidney Hoffmann of Brookline, a florist with establishments at 59-61 Massachusetts avenue, Boston, and 581 Mt. Auburn street, Cambridge, has filed a voluntary petition in bankruptcy in the United States district court. The liabilities amount to \$67,727.03, and consist of \$63,891.74 in unsecured debts, \$3410 in secured debts, \$285.29 for wages, and \$140 for taxes. The assets amount to \$14,040, and consist chiefly of stock in trade valued at \$6500, and debts due amounting to \$7,000. There are three secured and more than 200 unsecured creditors. The latter include W. H. Elliott, Brighton, \$6715.68; John C. Gray, Boston, \$4375; Mrs. S. Goldberg, \$10,300; Jean Newcomb, New York, \$4,000; Thomas Roland, Nahant, \$1,375; B. H. Tracy, Wenham, \$1287, and the Waban Rose Conservatories, Boston, \$6,927.71.

When writing to advertisers kindly mention HORTICULTURE.

Natural Green Sheet Moss . . . \$1.75
Dyed Green Sheet Moss 3.00

Delivered by Express

Huckleberry Follage \$2.00 Per Case.

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Evergreen, Ala.

STUART H. MILLER
WHOLESALE FLORIST

Nearly 14 years' experience. First year on our own. Watch us grow.

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Aphine Mfg. Co., Madison, N. J.
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APHIS PUNK

Nectline Mfg. Co., St. Louis, Mo.
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ARACARIAS

Godfrey Aschmann, Philadelphia, Pa.
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ASPARAGUS

Asparagus Purpureus, 2 1/2 in. extra strong, \$1.00 per 100; \$2.50 per 1000. Seedlings, from green house grown seed, ready July 1st, \$1.00 per 100, \$5.00 per 1000. COLLINGDALE GREENHOUSES, Collingdale, Pa.

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Elliott Auction Co., New York City.
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P. Ouwerkerk, Hoboken, N. J.
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Wood Bros., Fishkill, N. Y.
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H. Hansen, Malden, Mass.
For page see List of Advertisers.

BEGONIAS

Julius Roehrs Company, Rutherford, N. J.
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R. & J. Farquhar & Co., Boston, Mass.
Farquhar's Tuberous Rooted Begonias.
For page see List of Advertisers.

Thomas Roland, Nahant, Mass.
For page see List of Advertisers.

A. M. Davenport, Watertown, Mass.
For page see List of Advertisers.

Begonia Lorraine, \$12.00 per 100, \$110.00 per 1000; Begonia Glory of Cincinnati, \$15.00 per 100, \$140.00 per 1000. JULIUS ROEHR'S CO., Rutherford, N. J.

BOILERS

Kroeschell Bros. Co., Chicago.
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King Construction Co., North Tonawanda, N. Y.
"King Ideal" Boiler.
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Lord & Burnham Co., New York City.
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Hitchings & Co., New York City.

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Folding cut flower boxes, the best made. Write for list. HOLTON & HUNKEL CO., Milwaukee, Wis.

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Holland and Japan Bulbs.
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Tuberous Rooted Begonia.
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Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
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Bulbs of all descriptions. Write for prices.
NEW YORK Branch, 8-10 Bridge St.

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Send for Canna book.
THE CONARD & JONES COMPANY,
West Grove, Pa.

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CARNATION STAPLES

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 1000 for 35c.; 3000 for \$1.00 post paid. I. L. PILLSBURY, Galesburg, Ill.

Supreme Carnation Staples, for repairing split carnations, 35c. per 1000; 3000 for \$1.00. F. W. WAITE, 85 Belmont Ave., Springfield, Mass.

CHRYSANTHEMUMS

Fachmann Bros. Co., Morton Grove, Ill.
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Wood Bros., Fishkill, N. Y.
Chrysanthemums Rooted Cuttings.
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Chas. H. Totty, Madison, N. J.
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R. Vincent, Jr. & Sons Co., White Marsh, Md.
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50,000 Chrysanthemum Rooted Cuttings and soil plants; leading market sorts. Write for price list. WM. SWAYNE, Lock Box T. Kennett Square, Pa.

Major Bonaffon, Pacific Supreme, Alce Byron, Golden Glow, Chrysolora, rooted cuttings, \$15.00 per 1000; out of 2-in. pots, \$20.00 per 1000. SHEPARD'S GARDEN CARNATION CO., Lowell, Mass.

THE BEST 1915 NOVELTIES.

The Cream of 1914 Introductions.
The most popular Commercial and Exhibition kinds; also complete line of Pompons, Singles and Anemones. Trade list on application. ELMER D. SMITH & CO., Adrian, Mich.

Chrysanthemum Rooted Cuttings—Chas. Razer, Polly Rose, Ivory, Golden Glow, Donatello, Hallday, Bonaffon, Unaka, Pacific Supreme, Dr. Enguehard, \$15.00 per 1000. J. Nonin, Xmas White, Mrs. Syme, Yanna, Comoleta, Chrysolora, Roman Gold, Appleton, Minnie Bailey, Wells' Late Pink, Patty, Helen Frick, Harvard, \$17.50 per 1000. H. J. ROLFE, Hammoncton, N. J.

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20th Century Plant Food Co., Beverly, Mass.
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CROTONS

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CYCLAMEN—Separate colors; finest strain; extra strong plants; 3-inch pots, \$10.00 per 100, \$90.00 per 1000. JULIUS ROEHR'S CO., Rutherford, N. J.

CYCLAMEN.

Best strain of colors:
Amas Red, Wonder of Wandsbek (best Salmon), Rose of Marienthal, Glowing Dark Red, White with Red Eye, Pure White.
Strong plants, out of 2 1/4-in. pots, at \$5.00 per 100, \$40.00 per 1000. Satisfaction guaranteed. Cash with order, please.

J. H. FIESSER,

709 735 Hamilton Ave., North Bergen, N. J.

DAHLIAS

Send for Wholesale List of whole clumps and separate stock; 40,000 clumps for sale. Northboro Dahlia and Gladiolus Gardens. J. L. MOORE, Prop., Northboro, Mass.

NEW PAEONY DAHLIA

John Wanamaker, Newest, Handsomest, Best, New color, new form and new habit of growth. Big stock of best cut-flower varieties. Send list of wants to PEACOCK DAHLIA FARMS, Berlin, N. J.

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ENGLISH IVY

English Ivy from soil, 20 to 30 in., \$3.00; from pots, 12 to 15 in., \$4.00. CHAS. FROST, Kenilworth, N. J.

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Peirce Paper Flower Pot.
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W. H. Ernest, Washington, D. C.
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FOLIAGE PLANTS

A. Leuthy & Co., Roslindale, Boston, Mass.
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FUCHSIAS

Fuchsias—Black Prince, Speciosa, double purple and white, Rooted Cuttings, \$1.00 per 100; 2½-in., \$2.00 per 100.
W. J. BARNETT, R. D. 67, Sharon, Pa.

FUNGINE

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GALAX

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GERANIUMS

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White Marsh, Md.
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GLADIOLUS

John Lewis Childs, Flowerfield, L. I., N. Y.
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SPECIAL CLEAN UP SALE.

Mrs. Francis King, \$1.25 per 100; medium, 60c. per 100. America, medium, \$4.00 per 1,000; 1 inch, \$2.00 per 1,000; small, \$1.00 per 1,000. S. E. SPENCER, Brookland Gardens, Woburn, Mass.

GLASS

Sharp, Partridge & Co., Chicago.
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Greenhouse glass, lowest prices. JOHN STON GLASS CO., Hartford City, Ind.

GLASS CUTTERS

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Red Devil Glass Cutter.
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GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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GOLD FISH

Gold fish, aquarium plants, snails, castles, globes, aquarium, fish goods, nets, etc., wholesale. FRANKLIN BARRETT, Breeder, 4815 D St., Olney, Philadelphia, Pa. Large breeding pairs for sale. Send for price list.

GREENHOUSE BUILDING MATERIAL

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Stearns Cypress.

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Hitchings & Co., New York City.

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HAIL INSURANCE

Florists' Hall Asso. of America.
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HAMMOND'S GREENHOUSE WHITE PAINT AND TWEMLOW'S OLD ENGLISH PUTTY.

Hammond's Paint & Slug Shot Works, Beacon, N. Y.
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HARDY FERNS AND GREEN GOODS

Michigan Cut Flower Exchange, Detroit, Mich.

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Knud Nielsen, Evergreen, Ala.
Natural Green Sheet Moss, Fancy and Dager Ferns and Huckleberry Foliage.
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HARDY PERENNIALS

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Lord & Burnham Co., New York City.
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HOSE

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HYDRANGEAS

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Aphine and Fungine.
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Standard Insecticides.
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Nicotine Mfg. Co., St. Louis, Mo.
Aphis Punk and Nikoteen.
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Roman J. Irwin, New York City.
Nico Fume Liquid and Paper.
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Hammond's Slug Shot Works, Beacon, N. Y.
Hammond's Slug Shot.
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APHIDSPRA—Non-poisonous; kills sucking insects; 30c.
ACMESPA — Non-poisonous; controls leaf-eating worms; 50c.
WRIGHT, East Islip, N. Y.

IRRIGATION EQUIPMENT

Geo. N. Barrie, Brookline, Mass.
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KIL-WORM AND KIL-WEED POISON

Lemon Oil Co., Baltimore, Md.
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LEMON OIL

Lemon Oil Co., Baltimore, Md.

LILY BULBS

Chas. Schwabe & Co., New York City.
Horticultural Importers and Exporters.
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In writing to Advertisers kindly mention Horticulture

LILY BULBS Continued

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Comp. of Chas. F. Meyer, New York City
Meyer's 4-Banded Gladiolus
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LILY OF THE VALLEY

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Holland's Famous Lily of the Valley Pips
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McHutchinson & Co., New York City
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Lochner & Co., New York City
Lily of the Valley Pips
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NATIONAL NURSERYMAN

National Nurseryman Publishing Co., Inc.,
Rochester, N. Y.
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NIKOTEEEN

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NIKOTIANA

Aphne Mfg. Co., Madison, N. J.
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NURSERY STOCK

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Hardy, Northern Grown Stock.
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Boblink & Atkins, Rutherford, N. J.
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NUT GROWING

The Nut-Grower, Waycross, Ga.
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OLEANDER TRELS WANTED

A. C. McDonald, New York City

ONION SETS

Schilder Bros., Chillicothe, O.
Onion Seed—Onion Sets.
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A. Leuthy & Co., Roslindale, Boston, Mass.
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PANDANUS VEITCHI

Julius Roehrs Co., Rutherford, N. J.
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PEONIES

Peonies: The world's greatest collection
1200 sorts. Send for list. C. RETSCHER,
Ann Arbor, O.

PECKY CYPRESS BENCHES

A. T. Stearns Lumber Co., Boston, Mass.

PIPE AND FITTINGS

Kroeschell Bros. Co., Chicago.
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King Construction Company,
N. Tonawanda, N. Y.
Shelf Brackets and Pipe Hangers.
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Chas. Schwabe & Co., New York City
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August Rolker & Sons, New York City
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PLANT TRELLISES AND STAKES

Seeley's Tieless Plant Stakes and Trellises. H. D. SEELE & SONS, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."
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A. Henderson & Co., Chicago, Ill.
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RAFFIA

McHutchinson & Co., New York, N. Y.
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American Grown Roses.
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Wood Bros., Fishkill, N. Y.
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THE CONARD & JONES COMPANY.
Rose Specialists
West Grove, Pa. Send for offers.

SEASONABLE PLANT STOCK

R. Vincent, Jr. & Sons Co., White Marsh
Md.
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SEED GROWERS

California Seed Growers' Association,
San Jose, Cal.
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SEEDS

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Seeds with a Pedigree.
Boston, Mass., and London, England
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Onion Seed—Onion Sets.
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Kelway's Celebrated English Strain Garden
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Fottler, Fiske, Rawson Co., Boston, Mass.
Aster Seed.

SKINNER IRRIGATION SYSTEM

Geo. N. Barrie, Brookline, Mass.
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SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and
orchid baskets always on hand. LAGER
& HURRELL, Summit, N. J.

SPRAYERS

George N. Barrie, Brookline, Mass.
The Barrie Soap Sprayer.

STOVE PLANTS

Orchids—Largest stock in the country—
stove plants and Crotons, finest collection.
JULIUS ROEHRS CO., Rutherford, N. J.

SWEET PEA SEED

Ant. C. Zvolanek, Lompoc, Calif.
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R. Vincent, Jr. & Sons Co., White Marsh, Md.
Cabbage and Tomato Plants.
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Warren Shinn, Woodbury, N. J.
Sweet Potato Plants.

Celery Plants: Golden Self-Blanching
(French strain), fine plants, ready now,
\$2.00 per 1000. Cash. Special prices on
large lots. **BRILL CELERY GARDENS**,
Kalamazoo, Mich.

CELERY! CELERY!! CELERY!!!
Golden Self-Blanching, true French strain,
parcel post, \$2.10 per 1000. White Plume,
\$1.35 per 1000. Cash, please. Cabbage,
Cauliflower Plants and Tomatoes. Also
Asters, mixed or separate colors. Get our
prices. **LESTER'S PLANT FARM**, Plain-
ville, Conn.

VENTILATING APPARATUS
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VINCAS
F. R. Pierson Co., Tarrytown, N. Y.
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Vinca Variegata from 4-inch pots, \$10 per
100. **WM. CAPSTICK**, Auburndale, Mass.

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Pino-Lyptol Chemical Co., New York City.
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**WILLIAM E. HEILSCHER'S WIRE
WORKS**, 264 Randolph St., Detroit, Mich.

WHOLESALE FLORISTS
Albany, N. Y.

Albany Cut Flower Exchange, Albany, N. Y.
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The S. S. Pennock-Meehan Co., 1216 H St.,
N. W.
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WANTS, FOR SALE, ETC.

Advertisements in this column
one cent a word. Initials count as
as words. Cash with order. All
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HORTICULTURE" should be sent
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SITUATION WANTED—On private es-
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nations, roses, orchids, cyclamen, etc. Also
fruit growing under glass. Position as
foreman wanted. Have good references,
with European experience. "H. W.," care
of **HORTICULTURE**.

SITUATION WANTED by Englishman
as Head Gardener on Gentleman's Private
Estate; life's experience in all branches,
both inside and out; good references. J.,
care **HORTICULTURE**.

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FOR SALE—Fresh from factory, new;
10 x 12, 16 x 18, 16 x 24, double thick. A
and B qualities. Market dropped. Now is
the time to buy and save money. **PAR-
SHELSKY BROS., INC.**, 215-217 Have
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The unique monthly publica-
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and interesting up-to-date in-
formation regarding the value
of pecans and other edible nuts
and how to grow them for profit.

Subscription, \$1.00 per year

Sample Copy Free

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**Do You Know What
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Look in the "Buyers'
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and you will probably
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somebody who can
supply you. It's a good
plan to look it over
every week, for the
weekly changes and
additions are many.

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In writing to Advertisers kindly mention Horticulture

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Six large quarto volumes. More than 3,600 pages. 24 exquisite full-page color plates. 96 full-page sepia halftones and more than 4,000 text engravings. 500 collaborators. Approximately 4,000 genera, 15,000 species and 40,000 plant names.

The new Standard Cyclopedia of Horticulture has been freshly written in the light of the most recent research and experience. It is not merely an ordinary revision or corrected edition of the old Cyclopedia, but it is a new work from start to finish with enlarged boundaries geographically and practically; it supersedes and displaces all previous editions or reprints of every kind whatsoever. It is both an Encyclopedia and a Manual, for with the aid of its Synopsis and Key, amateur and professional alike may quickly identify any plant, shrub or fruit contained within the set, and then receive expert instructions for its cultivation. Price \$6.00 per volume. Two volumes have now been issued and the others will follow in succession. Order from

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147 Summer Street, Boston, Mass.

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FOR THE HOME GARDEN
by
GEORGE C. THOMAS, JR.

Elaborately Illustrated with 96 Perfect Reproductions in Full Color of All Varieties of Roses, and a Few Half-tone Plates. Octavo, Handsome Cloth Binding, in a Slip Case. \$1.00 net. Postage Extra.

We have sold a number of copies of this sterling book. One purchaser writes as follows:

HORTICULTURE, Boston, Mass.

Dear Sir: Some time ago we ordered a copy of Thomas' Book on Roses. We promised to send you postage as soon as we learned the amount. The book was so good that we forgot all about postage until today. Please forgive our lapse of memory.

We loaned it to a friend and he likes it so well we're afraid that we will have to buy another.

Respectfully,
New York. A. R.

Every rose grower should possess a copy of this book.

IT IS THE REAL THING

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Horticulture Publishing Co.
BOSTON.

MASSACHUSETTS AGRICULTURAL COLLEGE.

The Department of Floriculture offers several new courses for the next college year. The outline of course to be given in Floriculture is as follows:

Course 1. Greenhouse Management. This course is designed to familiarize students with the methods followed in the management of greenhouse crops. The students are instructed in the practical operation of glazing, concrete bench construction, watering, potting, fumigating, ventilating, and in the methods of propagation of plants by seed and cuttings. They will also be expected to arrange their hours according to the needs of the work. Juniors: Lectures, 2; Laboratory, 6 hours; Credit, 5; Prerequisite, Horticulture 2. Associate Professor Nehrling and Mr. Thurston.

2. Greenhouse Management. (Continuation of Course 1.) In addition, work in the use of cut flowers and plants in decorative work, the arrangement of flowers in baskets, designs, vases, table and home decorations, will be considered. Juniors: Lectures, 2; Laboratory, 6 hours; Credit, 5. Associate Professor Nehrling and Mr. Thurston.

3. Commercial Floriculture. A detailed study of the methods of culture of greenhouse plants and cut flowers for wholesale and retail markets will be carried on. The care and marketing of all florists' crops will also be considered. Assigned readings on these topics. Seniors: Lectures, 2; Laboratory, 4; Credit, 4; Prerequisites, Floriculture 1 and 2. Associate Professor Nehrling.

4. Commercial Floriculture. A continuation of Course 3. Seniors: Lectures 2; Laboratory 4; Credit 4; Prerequisites, Floriculture 1, 2 and 3. Associate Professor Nehrling.

5. Greenhouse Construction. The design, construction, cost, maintenance, heating and ventilating of greenhouse structures. Also the drafting of specifications for commercial houses and private ranges. Should be taken with Floriculture 1. Juniors: Lectures, 2; Laboratory, 2 hours; Credit, 3; Prerequisite, Horticulture 2. Associate Professor Nehrling.

6. Garden Flowers and Bedding Plants. The propagation and culture of annuals and herbaceous perennials, bulbs, etc. Also a detailed study of all bedding plants used in outdoor work. Seniors: Lectures, 2; Laboratory, readings and field trips, 3 hours; Credit, 3. Associate Professor Nehrling and Mr. Thurston.

7. Conservatory Work and Decorative Plants. A study of the type of tropical and sub-tropical foliage and flowering plants used in conservatory work. The arrangement and care will also be considered. Assigned readings. Should be taken with Course 4. Arrange time. Lectures, 2; Laboratory, 2; Credit, 3; Prerequisites, Floriculture 1, 2 and 3. Associate Professor Nehrling.

This spring a botanical collection of herbaceous perennials has been started under the immediate supervision of A. S. Thurston, who has been making a special study of this subject. The collection which now contains about 400 different species and varieties, will be used for class study, observation and



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Horticulture**

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KIRKEGAARD'S
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which bids fair to be-
come a classic in its
field.

With its 410 pages packed
full of garden lore, its
60 beautiful full-page se-
pia photos and its com-
prehensive planting list
it is a genuine contribu-
tion to the literature of
Horticulture.

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The edition is
almost exhausted.
We've picked up
a limited quantity
which we can let our
readers have for \$1.50.
Send cheque or money
order; we'll forward the
book postpaid.

Horticulture
147 Summer Street
Boston, Mass.

experimental study. The collection will be added to annually and it is intended to make this collection the largest and best in New England. The garden is composed of 18 beds with 5-foot grass walks. The main part of the garden is made up of three series of beds, with four beds in a series, each of the beds being 54 feet long and 12 feet wide. One row of six plants of each species or variety is the unit, and for convenience of study each genus is kept together. At the head of the garden there is a double row of beds each 30 feet long and 8 feet wide. To one side of the garden there are three large blocks of peonies.

With the close of the college year the regular work in floriculture has ended. Professor A. H. Nehrling, the head of the Department, will stay in Amherst through the month of July to teach in the Summer School, in which he offers two courses, one in Amateur Floriculture and one in Garden Flowers. At the close of the Summer School Professor Nehrling will take a trip to the Pacific Coast, where he will attend the two expositions and also take in the S. A. E. Convention. He will return by way of Florida, where he will visit his father, Henry Nehrling.

Mr. A. S. Thurston, the assistant in Floriculture, will spend the summer in graduate study at Cornell University.

The Department strongly advises its students to get all the practical experience possible, and so each summer a number of the men go out into practical work. As usual, the Department

has placed a number of men for the summer.

During the summer months, the Department will make numerous repairs among which will be the painting of the greenhouses and the construction of concrete frames.

THE HOME GARDEN CRUSADE.

The Fishkill (N. Y.) Standard gives a list of nearly 250 young folks of Beacon who have enrolled as members of the Home Garden Brigade to make Beacon more beautiful. We congratulate Mr. Hammond on the success attending his earnest efforts in this good work. Prizes are offered for this season as follows:

For the boy or girl who has the best garden, in each of the four wards, a book in the savings bank for \$2, for each first prize.

For the boy or girl who has the second best garden in each ward, an Ingersoll watch.

For the girl or boy who raises the best peck of potatoes, a bank book for \$1.

For the boy or girl who has the best showing of morning glories or other vine over fence or porch, a bank book for \$1.

For the boy or girl who has the best showing of roses, a bronze medal of the American Rose Society. There are to be not less than six bushes or climbers.

For the boy or girl who shows the handsomest front yard on the block a round trip ticket to Mt. Beacon.

All who work in the Brigade will receive a certificate of merit.

W. J. Pralatowski, Michael B. Walsh, Eugene S. Haight and Rev. Stephen F. White are acting as the committee to visit and inspect the gardens, and their report will determine who shall be entitled to receive the prizes, which will be distributed about September first.

CATCH THE SWINDLER.

The HORTICULTURE:

Sirs.—I have read in your last issue the notice of swindler. Will say that about three weeks ago a young man came here and offered HORTICULTURE and Florists' Exchange for renewals, saying if renewal was due he would collect account and save me the trouble, for he was a collector for same. I had nothing to do with him and promptly forgot it until I saw your issue of this week. I hope he will get it where he ought to.

Very truly yours,

WESLEY F. EWELL.

Winchester, Mass.

As stated in our issue of last week, HORTICULTURE has no traveling collector or subscription agent, and anyone so representing himself is an impostor. These fellows are roving here and there over the country from the Atlantic to the Pacific. Should they approach you, telephone for the police.

Use Hammond's Slug Shot



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One gallon Kil-Worm makes 50 gallons liquid when mixed with water.

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One gallon Kil-Weed makes 30 to 35 gallons liquid when mixed with water.

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PUBLICATION RECEIVED.

The Cultivation of Medicinal Plants, by Dr. Fred. C. Kilmer. This is a paper read before the National Association of Manufacturers of Medicinal Products, presented now in neat pamphlet form, to which is added an extensive list of literature on medicinal plants and drug culture. 22 pages. The secretary of the association is Charles M. Woodruff, Detroit, Mich.



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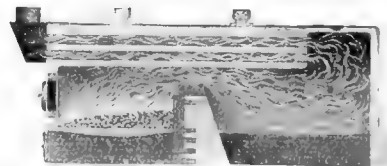
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YOU are familiar enough when the florists used to say that "the iron frame house was all right enough for the private place or in parks, but for the right down to a business proposition, they cost entirely too much."

Then we both looked on smilingly, when a few years later these same florists started building Iron Frame houses because the other kinds cost too much in the end for repairs and rebuilding. Neither could they produce the quantity or quality of crop necessary to meet competition and keep the usual snug balance at the bank.

Then again, you and I also heard the merry laughter of the vegetable growers when the Iron Frame house was mentioned to them as their next move for larger profits.

They said, "Such houses may be all very well for you florists, who grow luxuries and get luxury prices, but we vegetable men sell on too narrow a margin of profit to put our money in such houses."

And then again both of us in a few years saw the change come when the Irondequoit vegetable men

started with 40 foot iron framers; then finally 72 footers.

Old conservative Boston, with its Arlington sections, next fell into line when Alexander Porter put up an Iron Frame house 50 ft. x 450 ft.

Finally, several of the members of the big Ashtabula Vegetable Growers Association after trying out various constructions, more or less temporary, began to see that their next move must be the Iron Frame house.

They had looked with admiration on the splendid Iron Frame houses of Zuck and Sons at Erie, Pa., and became thoughtful.

And so it was that Dunbar and Hopkins, who for so many years have been leaders in the Ashtabula Association; still keep in the lead by building five Lord & Burnham Iron Frame houses. This is generally considered to be one of the most up-to-date vegetable ranges in the country.

The time has come, we all now know, when the question is no longer, shall we build an iron frame house; but of whose Iron Frame construction shall it be built?

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No. 26
JUNE 26
1915

HORTICULTURE



Rhododendron Kaempferi

Published Every Saturday at 147 Summer Street, Boston, Mass.
Subscription, \$1.00

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All of the above are strong grafted plants, with exception of Francis Scott Key, Mme. Edmond Rostand and Sunburst, which are own root stock.

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Nephrolepis muscosa and Smithii, 3 1/2 inch pots, 25c. each; 5 inch, 50c. each.
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	100	1000
Matchless	\$7.00	\$60.00
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Select Valley Pips—\$15 per 1000.
T brand Lil. Gig.—7/9, \$18 per case;
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NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil."—*Pope*.

Carnations

With the rush of other work do not neglect the carnations, as the good care they are given from this out will play a big part in perfecting fine plants for next winter's flowering. Keep the hoe and the cultivator going; you cannot over-use them. In sandy soil it is an easy matter to keep the surface pulverized and clean, but when it comes to heavy or clayey soil it means work, and in such soil continuous stirring up of the surface is necessary if the plants are to do their best. Remove the small weeds around the plants, such as the cultivator may be unable to reach. While they may not do much harm while small a few days of hot weather will develop them into large plants, and while removing them you might loosen the carnations. After every rain a few hours of sun will pack the surface to such an extent as to form a hard crust. Avoid this. If hot and dry weather should set in faithful cultivation is far more important than watering with the hose. Go over the field every few days and pinch back wherever necessary, for you want short stocky plants.

Cinerarias

Seeds of *Cineraria hybrida* started at about this time germinate most readily and with proper attention during the warmest months of summer are least difficult to work into good stock. It is well to make three sowings—one early in July, another about the middle of August, and the last sowing the middle of September. The two last dates are the best for most growers as they will have them from February on to Easter, which will be late next year. Use fresh seeds of the best strains to be had; sow on leaf-mold plentifully intermixed with clean, sharp sand; place the trays in a cold frame; keep moist and shaded, but let the sashes be raised a few inches from the start unless unusually cold winds and weather compel their being tightly closed for a time. When the seeds are up lay off the sashes on rainless pleasant nights altogether. Time to transplant is after the seedlings have developed their third leaf.

Compost Pile

Keep plenty of good compost always on hand. There is no better time than the present to prepare a nice pile of soil. Whether light or heavy don't handle the soil while it is in a wet state—heavy soil in particular. There is nothing worse. Insufficient attention is paid to this matter by many growers. Don't worry or wait with the handling of soil because you haven't the right kind of manure to mix with it. Get the soil and have it on hand. The manure or other fertilizer to be used can

always be added. Select a convenient dry place for the soil pile, and while at it get enough to last until fall for as soon as all the bulbs are planted there will be another chance to do the hauling for winter and spring requirements. Heavy loam or soil of a clayey nature is always improved by handling or turning a pile over.

Boston Ferns

If you wish to make certain side benches pay for themselves during the summer months plant them now with a 3½ inch or 4 inch stock of Boston ferns, and if you have not those sizes take 2½ inch. Allow 12 x 14 inches of space between the plants; do not overlook shading the glass a little. They grow and do quite well in the sun when used to it, but better results will be had by slight shading. Another way to grow them during the summer is to plant them out into a frame but quicker results are obtained indoors with bench culture or when grown on in pots. Do not let them become dry at the roots, as it will always tell on the foliage. Go over them every day so they will be kept moist and give them a good syringing morning and afternoon. Keep shifting them as they may need it until you have them in 5, 6 and 7 inch pots, using any good compost.

Palms

If rains have washed off considerable of the shading applied to the glass some time ago it will be necessary to use some more whitening on the roof as many palms are quite easily scorched. Go over the old stock, remove every defective leaf, clean the base of the plants and wash both sides of the leaves thoroughly. A couple of hoseings overhead on clear days should also be given with a carefully directed pressure which will not only help to keep the foliage clear of dirt but also will assist materially in preventing the spread of scale. Air freely, now that the days are so warm, and keep plenty of moisture in the atmosphere. If there are large palms that need repotting get at them now. If larger pots are not required remove some of the old soil from the roots and replace with fresh. For a compost use fibrous loam three parts, well-rotted cow manure one part, and about a 5-inch pot of bone meal to a barrow load.

Painting

A few timely reminders for winter preparation will not be out of place here now that we are having plenty of hot dry weather when paint will dry in with a few hours of exposure it behooves us to make haste and get all our outside and inside painting done. Place all the houses in as good condition as possible as there is nothing so bad as leaky and draughty houses.

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John Young in this issue of HORTICULTURE, are certainly pregnant with the assurance of success and a convincing optimism which should go far towards satisfying any one who has hitherto felt any doubt as to the outcome of these ventures. Plainly Philadelphia is ready—as she is also unquestionably able—to make the most ambitious national event of 1916 an occasion eminently worthy of her best traditions and well-earned horticultural fame.

Expensive lessons

Prevailing trade conditions and the uncertain outlook for the immediate future should be sufficient incentive for thoughtful business men to give serious consideration to the lesser details of practice and accounting—small things which in “piping” times of easy prosperity are apt to be passed over as trifles not worth taking cognizance of. We venture to say that there is not one of our readers who cannot bring to mind some or many ways in which he might with advantage to his business follow a little more closely Franklin's admonition to “take care of the pennies.” Practically every issue of HORTICULTURE tells of business embarrassments, here and there in every branch of commercial horticulture. All through these announcements runs the thread of trouble—not alone for the party of the first part, but for all those who directly or indirectly must bear a share, more or less grievous, in the loss. Economy now cannot alter the past but it may in some degree offset its effect. “Locking the stable door after the horse is stolen” is synonymous with a profitless act but, nevertheless, it is not a bad idea to lock it, all the same, and keep it locked hereafter if one proposes to continue keeping horses.

One way out

As we meditate on the course of events in the flower business, seed trade and nursery trade and the particular happenings which prompted the foregoing lines there come to mind the repeated attempts in various trade centers to establish through mutual agreement some basis of credit giving and collections which by its general enforcement would have tended to make impossible most of the paralyzing wrecks of the recent past and which if adopted now would provide some assurance against such catastrophes in the future. The very existence of such precautionary provisions as are in force in other lines of trade would in itself act as a check upon the extravagant living and reckless business methods which are the legitimate children of reckless credit giving. The indifference or blindness, which as our business grows in magnitude, leads us still to saunter along in the slipshod way which was thought good enough in the days of small responsibilities and big profits, is costing us all dearly and he is indeed hopelessly stone-blind who cannot discern the clouds that are yet on the horizon. Greater economy in operation, less of the passion to beat out the other fellow and a stricter accountability on the part of ourselves and all those with whom we deal will go a long way in helping to carry us through these disquieting times.

The information relative to the approaching
Headed right S. A. F. Convention at San Francisco and the substantial forecast based on facts already established for the National Flower Show of 1916 at Philadelphia, as presented by Secretary

Rhododendrons and Rhododendron Exhibitions

Editor HORTICULTURE:

Please allow me to apologize to Mr. Koehler and the readers of HORTICULTURE for an inexcusable oversight in the omission of labels from the Hunnewell exhibit of Rhododendrons at the June show. It is my first offence and I will promise you it shall not happen again. I did not attend to the labelling at the proper time; that is, as soon as the blooms were set up. Intended to do it later, and instead, forgot it.

I agree with Mr. Koehler, Rhododendrons are not made the feature at these exhibitions they should be. That, however, cannot be charged against the Hunnewell estate. For many years theirs has been about the only exhibit of these flowers at the Rhododendron show. The feeling that the Rhododendron show was only so-called impressed the committee on prizes and exhibitors so much that they changed the name in the 1915 schedule to the "June" show. I understand the committee have under consideration the offering of special inducements to exhibitors to show Rhododendrons in tubs and in other ways at the May show of 1916, and if this is done, I would venture to ask Mr. Koehler to join in making that show a success as far as concerns the Rhododendron.

I further agree Rhododendrons are not given the prominence they deserve in the planting of estates, and herein may lie the reason why they do not appear at our exhibitions. It takes time to get a collection of Rhododendrons together. It is not all done when the planting is finished. There is much experimenting to do before one finds out just where and how they will do best. There are failures to meet and we need a good deal of persistence to meet them. The average owner objects to the expense and the average gardener to the care required to make them a success, but we think the compensations are worth the effort. I am in doubt, however, whether any "inducements" horticultural organizations may offer will be productive of the results we wish until Rhododendrons become better appreciated as garden plants.

In the 1915 schedule of the Massachusetts Horticultural Society we find No. 178, "Hunnewell Fund, Rhododendrons—Largest and best collection, not less than fifteen distinct varieties, six trusses of each, from plants that have been grown in the open in Massachusetts, for at least three years, two prizes * * * \$20, \$15." One would think the money inducement offered would be sufficient to bring out good exhibits. It would if they were commonly grown and kept properly named. The proviso that the flowers must be taken from plants that have been grown for three years in the open in Massachusetts should meet Mr. Koehler's suggestion of a means for determining the hardiness of the varieties exhibited.

As to what is hardy and what is tender no "hard and fast" rule can be laid down. Theories have been upset considerably during this past winter. It is more difficult than ever to say what is hardy and what is tender. A plant may be hardy in one place and tender in another, even on the same estate. We naturally look for a reason, and try to fit results to recognized causes. This season they did not fit, either here or anywhere else. Plants have come through perfectly where occasionally they have suffered and vice versa.

Mr. Curtis, of Cornell University, published a classified list of Rhododendrons in HORTICULTURE, in issue of May 3, 1913, in which the matter of hardiness was a feature. It was made up of reports from the Arnold

Arboretum, the Hunnewell estate, and the Rochester parks. He has kept it checked up. Today, I have just finished my report to him, from this estate, for the past season. I find no two lists are alike, and in spite of what has been considered an unfavorable winter I am able to mark some hardy, which in previous years were marked tender.

It seems to me the more difficult it is to attain success the more we should appreciate it. Let us hope the tide of Rhododendron culture will rise so that we can again have a Rhododendron show.

J. D. Hatfield

Rhododendron Kaempferi

See Cover Illustration.

This scarlet azalea is probably the most ornamental and the most valuable flowering shrub for northern gardens that has been introduced to this country from Japan. It is perfectly hardy as far north as Boston, Mass., and ought to be grown in masses in every garden. It has its home on the mountains of central Japan and it is especially abundant in the Nikko region where it makes a wonderful display during the latter half of May and early June.

In warm localities in Japan this azalea retains its foliage throughout the winter, but in cold districts and at its altitudinal limits it is virtually deciduous. This peculiarity is of value to those who wish to use this azalea as a pot plant for Easter work. If grown in pots and "housed" before the early frost appears its full foliage should be retained as easily as in the Indian azaleas so called.

Kaempferi azalea is a bush four to seven feet tall with twiggy branches, and is extraordinarily floriferous. It does well in almost any well-drained situation but in the full sun the flowers bleach. It is seen to best advantage when planted under the leaf of woods and more especially against the dark background of conifers. In such half shade the flowers retain their full brilliancy and from a distance may be likened to the glow on a dark night from burning charcoal in full blast. This azalea was introduced to the Arnold Arboretum in 1892, by Prof. C. S. Sargent, who collected seeds during a tour in Japan. If this plant has the horticultural value which the writer claims, the reader may rightly ask, since it has been in the country over twenty-two years, why is it not everywhere well known and appreciated. By the numerous amateurs who visit the Arnold Arboretum it is appreciated and one and all desire to possess it. Why this legitimate desire remains ungratified the nurserymen can best supply the answer.

When the professional plant growers for the Christmas and Easter trade of this country properly realize what the devastation of Belgium means insofar as their affairs are concerned and begin to feel a pinch consequent upon the failure of erstwhile supplies, they will of necessity begin to look around for new sources and for substitute materials. Those who heretofore have imported for forcing purposes Belgian azaleas (Rhododendron indicum vars.) will do well to turn their attention to the scarlet azalea of Japan.

F. H. Wilson

Arnold Arboretum.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS

The attendance at the convention of the S. A. F. and O. H. at the Hotel Hamilton in San Francisco, California, from July 1 to July 15, 1915, has been a most successful one. The attendance at the convention has been considerably larger than was at first anticipated.

President Welch expects that the delegation from Boston and the East will be large enough to fill a car. The New York delegation is already booked numbers fifteen, and in all probability this booking will be at least doubled. These bookings are, of course, exclusive of the attendance of those whose duties will require them to be in San Francisco in advance of the convention dates. The glowing reports concerning horticultural features of the great Exposition in progress in San Francisco, as presented by Chas. H. Totty and others who have returned from the coast, will undoubtedly influence many in their decision to attend the convention, so that a good average general attendance is confidently expected.

Floor plans of the Memorial Auditorium, where the business sessions of the convention and the trade exhibition are to be held, have been sent to all members. These plans show the spaces allotted to exhibitors, and the great adaptability of the building for exhibition purposes. While exhibitors from the far East, owing to distance and high transportation charges, will not occupy such generous display spaces as they have done at other exhibitions, the following have contracted for liberal areas and will make fine displays: H. Bayersdorfer & Co., Philadelphia; M. Rice Co., Philadelphia; John A. Evans, Richmond, Ind.; The Advance Co., Richmond, Ind.

The secretary will be in San Francisco considerably in advance of the convention and will cheerfully care for and arrange exhibits sent by exhibitors who are unable to attend the exhibition personally. The only request he makes is that such exhibitors communicate with him at once. After July 15, all communications should be addressed to him in care of Daniel MacRorie, vice-president of the Society, 430 Phelan Building, San Francisco, Cal. Any commission entrusted to him will be executed to the best of his ability while in the convention city.

The Welch Prize.

Vice-President Daniel MacRorie is the only one to comply with the rules and regulations governing the President Welch prize offered for the member sending in the greatest number of applications for members before July 1. Mr. MacRorie has already sent in almost one hundred names, and reports that he will complete the hundred by July 1.

The S. A. F. Badge.

The S. A. F. annual badge button

has been sent to all members who have remitted for the 1915 assessment. There are a few life members' buttons still available for those entitled to them and same will be sent upon receipt of 75c. It would be a convenience to the secretary if the members who have not already done so will send in their 1915 assessment at once. The receipts to date for dues compare favorably with those of other years.

The printed 1915 Annual Report has also been distributed and a copy should be in the hands of every member in good standing.

JOHN YOUNG, Sec'y.

53 W. 28th street, New York.

After July 15, care Daniel MacRorie, 430 Phelan Bldg. San Francisco, Cal.

NATIONAL FLOWER SHOW, PHILADELPHIA.

During the past six months much important work has been done by the National Flower Show Committee of the S. A. F. and O. H., in connection with the Fourth National Flower Show to be held in Convention Hall, Philadelphia, March 25 to April 2 next, and arrangements are rapidly assuming definite form. Chairman George Asmus of Chicago, has been in attendance at several of the meetings of the local executive committee in an advisory capacity, and the committee has had the full benefit of his past experience with such exhibitions. The local executive committee is well organized, and in no other city have the different horticultural interests been so well represented on an exhibition board as in this instance in Philadelphia. This committee will hold regular meetings from the present time until the close of the show.

The various sub-committees, too, are well organized, and are working on the many details of preparatory work harmoniously and with a zeal which leaves no doubt as to a successful outcome. These committees, with their chairmen, are as follows:

Press, Publicity and Advertising, W. J. Throckmorton; Securing Exhibits, Walter Kleinhelm; Decorations, John Habermehl; Special Premiums, Wm. P. Craig; Special Features, Chas. Grakelow; League and Conventions, A. Edenwald; Music, Leo Nissen; Printing, S. S. Petrick; Concessions, Henry E. Michel; Trade Tickets, E. J. Fancourt; Lectures, J. Otto Thlow; Bureau of Information, Frederick Cowperthwaite; Secretary and Treasurer, A. A. Nissen; Committee of Enquiry, George Burton; Louis Burke, Robert Craig.

The Pennsylvania Horticultural Society has been invited to assist in the work of the exhibition and, through Hartman Kuhn, its president, the ladies of the different garden clubs in the vicinity of Philadelphia have been invited to take part in the exhibition, and are already at work on plans to have a tea garden, or something similar, on lines followed by the ladies of the Red Cross at the recent New York show. Sufficient space will be allotted to them by the management for the purpose. An unusual feature and attraction will be exhibits by different

societies devoted to aquarium fish and aquarium plants. This section of the show is being taken care of by Frankan Barrett, whose personal exhibit alone will cost almost \$600 to stage.

The trade exhibition in connection with the show will be most extensive and comprehensive, and applications for space are coming in rapidly. The H. P. Mitchell Co., Philadelphia, have booked up for Block No. 30, and Henry A. Dreer, Inc., Riverton, N. J., and Philadelphia, for Block No. 1, each containing 1,026 square feet. A. N. Pierson, Inc., Cromwell, Conn., is among other large exhibitors in this section. Floor plans have been distributed, and extra copies may be had upon application to the superintendent of the trade exhibition.

The guarantors' list will soon reach \$10,000, the amount authorized to be raised by the National Flower Show Committee. Subscribers to the guarantors' list, by states, are, so far, as follows:

California—Hans Barth, Daniel MacRorie, L. James, Ant. Zvonacek.
Connecticut—A. N. Pierson, Inc.
Indiana—Bartelme Bros. Co., Bauer & Stenkamp, John A. Evans.
Kansas—Chas. P. Mueller.
Illinois—George Asmus, W. N. Rudd, Philip J. Foley, Kriesel Bros. Co., Bassett & Washburn, The Florists' Review, Ernest Weinheiser Co., Fred. Lautenschlager, John C. Mondinger Co., Emil Buetner, Schiller Co., The American Florist, Poehlmann Bros. Co., C. M. Hamilton.
Massachusetts—Patrick Welch, L. Merton Sage, Harry I. Randall, Wm. O. Hahn, A. N. Cooley, M. A. Patten, Thomas Roland, S. J. Goldard, B. Hammond Tracy.
Minnesota—Some Florists of Minneapolis.
Missouri—W. L. Rock Flower Co., Samuel Murray, E. J. Fillmore, Fred H. Melhardt, C. O. Koch.
Michigan—Philip Brettmeyer, Albert Pochelon, Chas. H. Plumb.
New York—Peter Henderson & Co., Benjamin Hammond, A. S. Burns, Jr., McHutchison & Co., W. J. Cowee, Arthur Cowee, Chas. A. Dards, S. A. Anderson, L. Koon, A. Perkins Co., Wm. H. Siebrecht, F. R. Pierson, Traendly & Schenck, H. A. Bunyard, Florists' Exchange, Moore, Hentz & Nash, C. T. Guenther, John Lewis Childs.
New Jersey—Julius Roehrs Co., Chas. G. Roebbing, L. B. Coddington, Chas. H. Totty.
Nebraska—J. J. Hess.
Ohio—H. P. Knoble, C. E. Critchell, C. L. Humphries.
Pennsylvania—W. Atlee Burpee, H. E. Michel Co., A. Farenwald, Leo Nissen Co., Conrad & Jones Co., S. S. Pennock-Mechan Co., Henry A. Dreer, Inc., Henry Elchholz, S. S. Skidelsky, Harry K. Rohrer, Pittsburgh Cut Flower Co., Geo. Burton, Wm. Koenigsz, Wm. R. Gibson, Joseph Heacock.
Washington—D. C. Guide Bros. Co.

So it may be truly said, "The Biggest Floricultural Event of 1916 will be the Fourth National Flower Show in Philadelphia."

JOHN YOUNG, Sec'y.

CHICAGO FLOWER SHOW.

At a meeting of the executive committee representing the Horticultural Society and the Florists' Club, held June 21, arrangements were materially advanced for the big fall flower show to be held at the Coliseum, November 9 to 14 inclusive. A large part of the \$10,000 guarantee fund has already been subscribed.

MICHAEL BAKER,
Chairman Publicity Committee.

CLUBS AND SOCIETIES

TARRYTOWN HORTICULTURAL SOCIETY.

The annual June exhibition of the Tarrytown Horticultural Society was held in the gymnasium of the Young Men's Christian Association Building June 16th. The show was larger and finer than last year's. It was free to the public, and was open from two o'clock in the afternoon until ten o'clock in the evening. All of the exhibits were of very fine quality. There was keen competition in the classes for school children, which classes were very interesting.

A silver medal was awarded the F. R. Pierson Company for a vase of Ophelia roses and a cultural certificate for Francis Scott Key roses and a fine collection of climbing roses, etc. Dr. C. C. Brace exhibited a beautiful collection of campanulas, for which he was awarded a special prize. Special prizes were also awarded to Col. Jacob Ruppert for a fine display of dianthus and to Mrs. W. G. Nichols for seedling carnation. Col. Franklin Brandreth exhibited a very fine lot of hybrid tea roses, for which he was awarded a cultural certificate. A cultural certificate was awarded also to Chas. H. Tibbits for a choice display of pansies. Mrs. John D. Archbold exhibited canterbury bells and yellow antirrhinums, for which she was given honorable mention. Mrs. J. B. Trevor exhibited a seedling dracena, receiving honorable mention. The judges were James Stuart, Mamaronck, N. Y., Joseph Mooney, Hastings, N. Y., and W. H. Harvey, Ossining, N. Y.

The awards in the different classes were as follows:

Collection hardy perennials, Edward Buckhout prize: 1st, Mrs. H. Darlington, gard. P. W. Popp; 2nd, Mrs. S. Hermann, gard. Abel Weeks. Three quarts of strawberries, Taxter & Cawood prizes: 1st, J. A. Browning, gard. Frank Jamgoisch. Two quarts of strawberries, two varieties, Bing Bros. prize: 1st, Geo. E. Dickinson, gard. J. H. King; 2nd, Mrs. John D. Archbold, gard. John S. Wahlquist. Quart of strawberries, Charles D. Millard prizes: 1st, Dr. C. C. Brace, gard. Geo. McIntosh; 2nd, Geo. E. Dickinson. Quart of strawberries, Marshall variety, Elmsford Nurseries prize: No competition. Quart of strawberries, amateurs only, H. A. Reynolds prize: Miss M. Ewing. Twelve blooms H. P. roses, assorted, Mrs. J. Herbert Carpenter prizes: 1st, Geo. D. Barron, gard. Jas. Llane; 2nd, Mrs. Carl Victor, gard. Thomas A. Lee. Collection outdoor roses, Mrs. Ferd. Hermann prizes: 1st, Gen. E. A. McAlpin, gard. John Woodcock; 2nd, Mrs. H. Darlington. Twelve blooms outdoor roses, Chas. D. Millard prizes: 1st, Gen. E. A. McAlpin; 2nd, F. E. Randall, gard. Fred Bradley. Six blooms H. P. roses, amateurs only, H. R. Frost prizes: 1st, Mrs. John F. Dinkel; 2nd, Mrs. E. F. Giberson. Twelve H. T. roses grown outdoors, 3 varieties, 4 each, Frank R. Pierson prize: 1st, John D. Rockefeller, gard. W. G. Woodger; 2nd, Mrs. W. C. Nichols, gard. Geo. N. Sullivan. Six varieties outdoor roses, 6 each, C. H. Curtiss Co. prize: 1st, Gen. E. A. McAlpin; 2nd, John D. Rockefeller. Three varieties outdoor roses, 6 each, A. Blouin prize: 1st, David L. Luke, gard. John Elliott; 2nd, Mrs. Carl Victor. Twelve blooms outdoor roses, Russell & Lawrie prize: 1st, David L. Luke; 2nd, John D. Rockefeller. Vase roses, Wm. F. McCorr prize: 1st, Mrs. S. Hermann; 2nd, David L. Luke. Display climbing outdoor roses, John B. Sackett prize: 1st, Miss Alice F. Neubrand. Twelve blooms Fran. Karl Druschki rose, a friend's prizes: 1st, David L. Luke; 2nd, John D. Rockefeller. Eighteen vases sweet

peas, 18 varieties, James W. Smith prizes: 1st, Mrs. J. B. Trevor, gard. Howard Nichols; 2nd, Dr. L. H. Baekeland, gard. Jas. Caselli. Twelve vases sweet peas, 12 varieties, John Elliott prizes: 1st, Geo. D. Barron; 2nd, D. E. Oppenheimer, gard. A. Macdonald. Six vases sweet peas, 6 varieties, small growers only, Thomas Morris prizes: 1st, Miss Blanche Potter, gard. George Wittlinger. Vase 50 mixed sweet peas, Thomas A. Lee prizes: 1st, Geo. D. Barron; 2nd, Dr. L. H. Baekeland. Dinner table decoration, Julian F. Detmer prizes: 1st, Geo. Wittlinger; 2nd, Miss M. Ewing. Three varieties peonies, 6 each: 1st, Mrs. H. Darlington; 2nd, Dr. C. C. Brace. Bouquet wild flowers, open only to school children under 14 years, Abel Weeks prizes: 1st, Miss Anna Gibson; 2nd, Miss Etta Bradley. Collection wild flowers named, competition open only to school children, Mrs. F. A. Constable prizes: 1st, Master Ralph D. Neubrand; 2nd, Master Reinhardt Heinlicher; 3rd, Master Wm. Aldridge; 4th, Master Edward Remsen. Collection 12 varieties vegetables, Gen. E. A. McAlpin prizes: 1st, Mrs. J. B. Trevor; 2nd, Miss Blanche Potter. Collection 6 varieties vegetables, Dinkel & Jewell and E. W. Neubrand prizes: 1st, Dr. C. C. Brace; 2nd, D. E. Oppenheimer. Most meritorious exhibit not provided for in the schedule, Charles H. Tibbits prize: Jacob Ruppert, gard., Frank T. Reid, collection of dianthus.

LANCASTER COUNTY FLORISTS' CLUB.

Ira H. Landis, of Paradise, read a valuable paper on the Field Culture of Carnations at the last meeting, which we shall publish later. The committee on the dahlia show reported having secured some very fair premiums from the Lancaster County Fair Association for the amateur classes. The space allowed for this show has not yet been decided upon. The committee on picnic reported having arranged for a picnic at Rocky Springs Park to take the place of the July meeting, date to be announced later. B. F. Barr announced that the August meeting would be held at his nursery and farm and that the inspection would start at 1 p. m. and be followed by a variety of outdoor sports until 6 p. m. when a light lunch would be served and the meeting called to order. Mr. Barr has arranged for some visiting nurserymen to talk on this occasion. The programme committee had arranged for an Aster Symposium for this August meeting which will have to be deferred until another year.

Mr. Keohane, of the H. F. Michell Co., gave us some interesting remarks on the general condition of business, all of an optimistic nature. Alphonse Peters exhibited a number of climbing roses and surprised us all with an exhibit of Dahlias Georgeous, 20th Century, Jack, Yellow Century and Ami Bertillon.

ALBERT M. HERR.

NORTH SHORE HORTICULTURAL SOCIETY.

The regular meeting of this society was held on June 18. William Judd had on exhibition specimen of plants of Clarkia double pink and Brilliant and Telegraph cucumbers.

Mr. Foster exhibited a collection of Spencer sweet peas, also Alaska. Both gentlemen were awarded a certificate of merit. Vice-President Wetterlow appointed Herman Sanford, William Judd and Carl Eicke to serve as discussion committee for the coming year.

W. T.

RHODE ISLAND HORTICULTURAL SOCIETY.

More than 100 varieties of the leading roses were included in the excellent June exhibition of the R. I. Horticultural Society held last week in the Narragansett Hotel, Providence. The excellent opportunity offered for the display of the blooms was taken full advantage of by Superintendent E. K. Thomas and the arrangement added materially to the show. There was an especially good entry in the professional and special premium classes, and the show was pronounced a fine success. A feature, new to the society exhibits, was a demonstration in making up bouquets and floral pieces by a Boston expert. The awards follow:

Professional and commercial growers' classes. Collections of roses, greenhouse grown—Fancy basket—1st, Johnston Bros.; 2nd, Macnair. Pink Killarney—Burke & Burns. White Killarney—1st, Burke & Burns; 2nd, E. J. Johnston. Richmond—Burke & Burns. Aaron Ward—1st, E. J. Johnston; 2nd, E. J. Bevins. Any other variety—Burke & Burns. Sweet peas, greenhouse grown—E. J. Bevins. Hybrid Perpetual roses—Cornelius Hartstra. Fancy basket roses—Macnair. Pink Killarney—E. J. Bevins. White Killarney—E. J. Bevins. Richmond—E. J. Bevins.

Sweet peas, outdoor grown, collection—Cornelius Hartstra. 25 sprays sweet peas—1st, Neil Ward; 2nd, Cornelius Hartstra.

Open classes. Orchids—E. L. Nock. Fuchsias—E. E. Howard. Geraniums—E. E. Howard. Table decoration of sweet peas—1st, Johnston Bros.; 2nd, Macnair. Hardy herbaceous flowers—Daniel A. Clarke. Peonies—1st, Mrs. Samuel Brown; 2nd, Cornelius Hartstra.

In the special premiums classes, Thomas Brook took 2nd, offered by the Providence Seed Co., and E. J. Bevins won the W. Atlee Burpee prize. The T. J. Johnston & Co. prize for hardy herbaceous flowers was taken by Cornelius Hartstra. Johnston Bros. took the gold plated medal in the floral art class for the best display, consisting of a fancy basket and one bride's shower bouquet. Macnair won on display of roses and foliage plants arranged in a 10-ft. floor circle. Additional awards were: Greystone Horticultural Society for display of sweet peas, E. J. Johnston for carnations, J. E. Kopelman for carnations and gladioli, William Appleton for wedding decoration, James Dillon for hardy plants, Macnair for carnations in baskets, yellow daisies, sweet peas, snapdragons and bride's basket, John Marshall for poppies.

S. A. G.

WESTCHESTER AND FAIRFIELD HORTICULTURAL SOCIETY.

The Annual Summer Exhibition of this society was a grand success. The number and quality of the exhibits were noteworthy. The exhibition was staged in the main assembly room of the Town Hall in Greenwich, Conn. The attendance was very good indeed. In the classes set apart for amateurs and those not employing professional help the entries were numerous and some really good and well grown flowers, fruits and vegetables were in evidence:

The Geo. E. Baldwin Co. of Marlborough were awarded a certificate of merit for a fine display of orchids. Scott Bros. of Elmsford, N. Y., a certificate of merit for roses and perennials; the J. H. Troy Nurseries of New Rochelle, N. Y., also the A. N. Pierson Co. of Cromwell, Ct., honorable mention for displays of roses.

Many novelties among the hybrid tea roses were noted, as well as a number of new ramblers. The competition in the private gardener classes

The old officers were all re-elected except that A. H. Fewkes of Newton Highlands, Mass., succeeds E. B. George as vice-president. The next meeting and exhibition will be held in June, 1916, at the American Museum of Natural History, New York City.

PEONY SHOW AT BOSTON

The joint exhibition of the Massachusetts Horticultural Society and the American Peony Society at Horticultural Hall, Boston, on Saturday and Sunday, June 19 and 20 was a brilliant spectacle, altogether the most extensive and impressive showing of peonies ever seen in Boston. The effect was enhanced by very large groupings of herbaceous flowers in which irises and campanulas predominated. Roses of rare quality, strawberries, etc., and the entire space of the three halls was filled with exhibits. The displays of herbaceous perennials from the exhibitors named in the prize awards have never been excelled even in Boston.

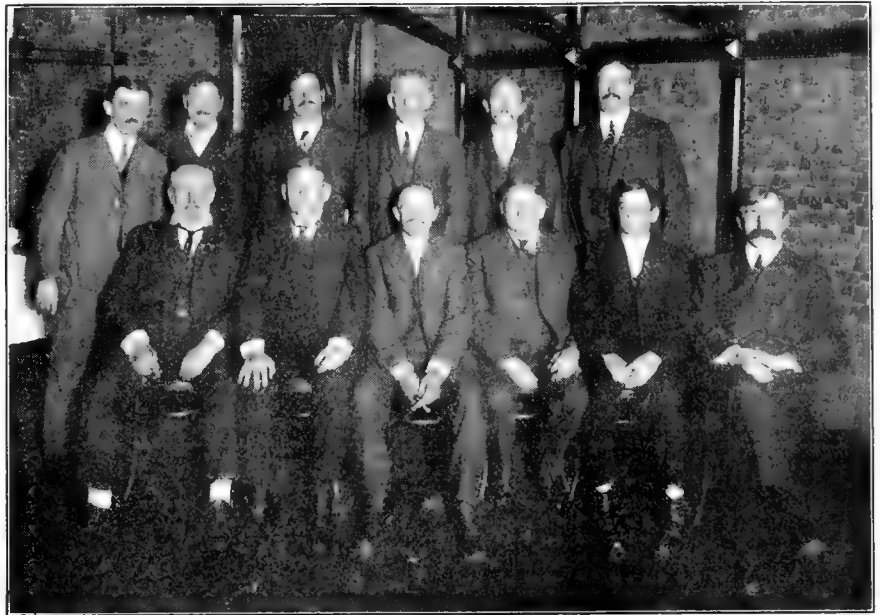
R. & J. Farquhar & Co., had the largest display, filling 600 sq. ft. of floor space. The sensation of the peony show was their two vases of the superb Richardson production Walter Faxon. The collection by the secretary of the Peony Society, A. P. Saunders of Clinton, N. Y., contained some 200 varieties. Another immense display was that of T. C. Thurlow's Sons Co., which comprised over 1,000 blooms in 137 named varieties. The new variety Cherry Hill was a prime attraction in this exhibit. It was originally shown under the name of Gov. Guild, but not disseminated. Other large peony groups were staged by J. K. Alexander, Blue Hill Nurseries, Mrs. Mary Flood, George N. Smith of Wellesley Nurseries and others.

The roses did not make the showing that was expected, the date being a few days too early for this backward season, but the quality was very fine. In strawberries which were also backward the interest centered around the new undiscovered variety Judith shown by F. S. De Lue, which won the coveted silver medal.

The gold medal of the American Peony Society for the best exhibit of peonies was well won by T. C. Thurlow's Sons Co. A. P. Saunders received the silver medal for an unnamed seedling. The prizes for 25 named varieties, one of a kind, were won, 1st by A. H. Fewkes; 2nd, by T. C. Thurlow's Sons Co. President Farr had a small collection which did not reach the hall until Saturday evening. Cottage Gardens sent a splendid vase of the fine white Marie Lemoine, from Queens, N. Y., which was a convincing proof of the value of this variety as a late bloomer. The list of the Massachusetts Horticultural Society awards was as follows:

Peonies—Collection of twenty varieties, double: 1st, A. P. Saunders; 2nd, T. C. Thurlow's Sons Co. Ten varieties, double: 1st, T. C. Thurlow's Sons Co.; 2nd, Mrs. Frederick Kellogg. Specimen bloom, double: 1st, G. N. Smith; 2nd, A. P. Saunders. Twelve, single: T. C. Thurlow's Sons Co. Twelve Japanese, single: A. H. Fewkes. Six, double, white: 1st, T. C. Thurlow's Sons Co.; 2nd, Mrs. C. S. Minot. Rose pink: T. C. Thurlow's Sons Co. Red or crimson: T. C. Thurlow's Sons Co. Twenty-five, double, white or bluish: 1st, T. C. Thurlow's Sons Co.; 2nd, Mrs. J. L. Gardner. Pink or rose: 1st, T. C. Thurlow's Sons Co.; 2nd, ditto. Red or crimson: T. C. Thurlow's Sons Co. Twelve double, one flower of each: 1st, William Whitman; 2nd, Robert C. Morse. Twelve, pink: A. P. Saunders. Twelve, white: 1st, A. P. Saunders; 2nd, S. A. Perkins.

DIRECTORS OF NEW YORK CUT FLOWER EXCHANGE.



Left to Right, Standing—Phil. F. Kessler, C. Beckman, Fred. Smith, John Schneider, Jasper McMullen, John A. Leach. Sitting—Alex. Burns, A. Schultheis, W. H. Siebrecht, Frank Millang, Victor S. Dorval, Gustav C. C. Schrader.

Twelve, red: 1st, A. P. Saunders; 2nd, William Whitman.

Hardy Roses. Collection, named: 1st, W. J. Clemson.

11. P. Roses. Twelve named varieties, three of each, W. J. Clemson; six do, 1st, T. N. Cook, 2nd, Mrs. Frederick Ayer; twelve do, one of each, W. J. Clemson; six do, T. N. Cook.

11. T. Roses. Twelve varieties, three blooms of each, 1st, Hemlock Hill Rose Garden, 2nd, Thomas N. Cook; best variety introduced since 1912, Thomas N. Cook; six white, 1st, William Sim, 2nd, Mrs. Frederick Ayer; six yellow, 1st, William Sim, 2nd, Thomas N. Cook; six pink, 1st, Thomas N. Cook, 2nd, Frederick Ayer; six red, 1st, William Sim, 2nd, Thomas N. Cook; basket artistically arranged, 1st, Albert Geiger, Jr., 2nd, Mrs. N. P. Cutler; most artistic decoration roses, 1st, Mrs. Frederick Ayer, 2nd, Thomas N. Cook.

Hardy Herbaceous Flowers. Twenty-five species and varieties: Weld Garden. Display of hardy herbaceous flowers: 1st, Bay State Nurseries; 2nd, Eastern Nursery Company.

Campanula Medium 1st, William Whitman; 2nd, E. B. Dane.

Gloxinias—1st, Mrs. J. L. Gardner; 2nd, Miss Cornelia Warren.

Sweet Williams—1st, Mrs. J. L. Gardner; 2nd, Weld Garden.

Gratuities—Miss Cornelia Warren, roses: W. A. Riggs, hydrangeas; Miss Cornelia Warren, hydrangeas; Mrs. Frederick Ayer, iris; Blue Hill Nurseries, T. C. Thurlow's Sons Co., G. N. Smith, J. K. Alexander, Mrs. Flood, William Whitman, Mrs. N. P. Cutler and Mrs. E. M. Gill, peonies.

Silver Medal—R. & J. Farquhar & Co., artistic display of peonies; E. B. Dane, artistic display of orchids; T. C. Thurlow's Sons Co., peony Cherry Hill.

Certificate of Honorable Mention William Sim, sweet peas and hybrid tea roses.

MORRIS COUNTY GARDENERS' AND FLORISTS' SOCIETY.

This society held a very successful rose show in Madison, N. J., on June 17. There were no money prizes offered and the use of the hall was donated. Among the names on the list of winners were:

Wm. Duckham, Mrs. Elwood Brant, David Francis, Robert Francis, Frank Cullen, Robert Tyson, L. A. Lockwood, Mrs. W. P. Jenks, Emil Graber and Charles Barbour. The same exhibitors were largely represented in the miscellaneous section, also Mrs. C. H. Stout, Short Hills, who received a special for sweet peas, and E. Leandle, also for sweet peas. Robert Tyson received a cultural certificate for greenhouse grapes. Certificates were also given to L. A. Lockwood for peonies, C. H.

Totty for roses, Mrs. Brant for blue rambler rose, E. Gruber a silver medal for standard fuchsias, R. D. Foote certificate of merit for *Cattleya gigas Sanderiana*, and Ed Reagan cultural certificate for delphiniums, anchusa and campanulas.

CLUB AND SOCIETY NOTES.

The Paterson (N. J.) Floricultural Society gave a free flower show at the Second National Bank on Saturday, June 12. Among the large exhibits were peonies from George H. Peterson, and roses from Richard Petrie, W. E. Parker, J. C. Hardy, Matthew Morgan, Jas. Schofield and others. First, second and third prizes were awarded in 31 classes.

The Central New York Horticultural Society gave a successful peony show in Butler Memorial Hall, New Hartford, on Tuesday evening, June 15. Prof. A. P. Saunders of Clinton made a fine exhibit of peonies and Dr. W. A. Rowlands of Utica was represented by a good showing of carnations and sweet peas. There were about twenty exhibitors in all.

The annual June exhibition of the Medford (Mass.) Horticultural Society was held in the vestry of the Mystic Church on Saturday, the 19th. Owing to the lateness of the season, roses were somewhat scarce. Some good roses, clean and well grown, but only partly open, were staged by Mrs. Gates, Miss Hatch, Miss McKay and Josiah Teel. Peonies were extra good. Mrs. Roberts and Hon. Wilton B. Fay being the principal winners. Mrs. Roberts also had a grand lot of iris very artistically arranged. Fine bachelor's buttons and foxgloves won prizes for Mrs. Higly. Mrs. Hall won on table decoration. On the whole the exhibition was one of the best the society has held. Eric Wetterlow, John Jaffrey and A. Magnuson, Manchester, Mass., acted as judges.

The president of the Society is Mrs. Lester Williams; Mrs. Harry Randall, secretary; Miss R. M. Arrington, treasurer. GEORGE F. STEWART.

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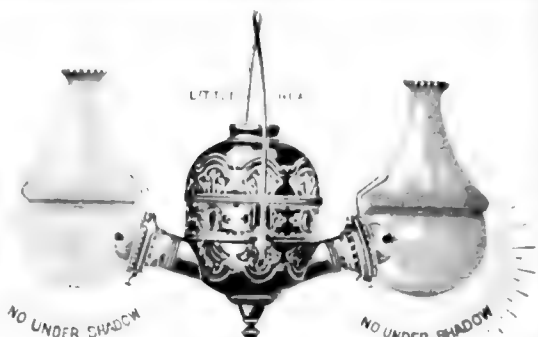
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**A FEW SHOP-WORN
LAMPS AT A BARGAIN**

RHODODENDRONS IN THE ARBOLD ARBORETUM.

In the Bulletin issued April 28th attention was called to the damage which the rhododendrons in the Arboretum had suffered during the winter, and it was suggested that it was caused by the severe drought of the autumn, followed by the unprecedented drought of March and early April, and not by cold which had not been exceptional. The Arboretum rhododendrons certainly suffered from drought, but dryness alone will hardly account for such a destruction, for in other places near Boston plants in much drier and more exposed positions than those in the Arboretum are reported to have come through the winter uninjured. Some of the plants which were killed here have been twenty-five or thirty years in the country. These plants were grafted on *Rhododendron ponticum*, a plant which is not hardy here and is therefore not suitable stock for Catawbiense hybrid rhododendrons to be grown in this climate. It is well known that these old grafted plants often lose large branches from what gardeners call "canker," and it is not impossible that the old plants killed in the Arboretum have been gradually failing for several years from the influence of the stock on which they had been grafted, and were therefore susceptible to extreme climate conditions. This view is borne out by the fact that when plants of a particular kind were killed and others of the same kind were not killed it was always the oldest and largest plants of the variety that suffered. It has generally been supposed that it was the cross with *R. arbutum* and other Indian species which has made so many of the varieties of *R. catawbiense* tender in this climate, but some of the varieties which show in their bright red flowers this influence, like *Atrorubrum*, *Charles Dickens*, and *H. W. Sargent* are uninjured, while many of the pale-flowered kinds like *Lady Grey Egerton*, *Mrs. H. S. Hunnewell* and *Delicatissimum* have been killed. The last is a hybrid between *R. catawbiense* and *R. arbutum*, and for the last thirty years has been considered one of the hardiest and most desirable of the rhododendrons which have been

planted in New England. Plants of the following catawbiense varieties have been killed in the Arboretum, but of the varieties marked with a star one or more, but not all the individuals in the collection, have been killed. On many plants which have not otherwise suffered the buds have been killed or injured. **Adolf*, *Alarich*, *Albin*, *Alfred*, **Atrorubrum*, **Bismarck*, *Bluebell*, **Butlerianum*, *Circé*, *Daniel*, **Delicatissimum*, **Diana*, *Duchess of Connaught*, *Earl of Shannon*, *Esge*, *Elysium*, *Fee*, **F. L. Ames*, **F. B. Hayes*, **Hanna Felix*, *Herkules*, *Jay Gould*, **King of the Purples*, **Lady Grey Egerton*, *Madame Wagner*, **Marquis of Waterford*, *Mum*, **Mrs. Harry Ingersoll*, *Mrs. H. S. Hunnewell*, *Mnemoisyné*, **Prometheus*, **R. S. Field*, *Salmonium roseum*, *Sir H. Hav-erlock*.

On the whole the different forms of *R. caucasicum* have come through the winter in comparatively good condition. The plants of the varieties *Cleo* and *Ochroleucum* have been killed, and the flower-buds of a few others have suffered. The following varieties however, are uninjured, or have suffered only slightly: *Boule de Neige*, *Coriaceum*, *Jacksonii* and *Mont Blanc*.

In some years, when conditions are comparatively favorable, rhododendrons flourish in this climate; in other years when conditions are less favorable they suffer. Compared with these plants as they grow in England and Scotland, rhododendrons are never really successful here. This is not a climate for rhododendrons, that is for the sort of rhododendrons European nurserymen usually propagate and send to this country. It is true some of them can be kept alive here for a great many years but they require special care. The soil in which they grow best has to be specially prepared for them; they require shelter from the sun of early spring, and a great deal of moisture. Of late years they have suffered terribly from the attacks of the lace-wing fly which turns the leaves brown and makes them fall prematurely, thus weakening the plant. Rhododendrons, like many other plants of the Heath family, cannot grow in soil impregnated with lime; they are not hardy very far north of Boston, and south of Philadelphia, except in the elevated regions of the interior, it is too hot for them in summer, so that the region in the eastern states where these plants

can be grown at all is not a large one. Here in eastern Massachusetts there are only four species of broad-leaved evergreen rhododendrons which are perfectly hardy; these are the native *R. maximum*, *R. catawbiense* from the high slopes of the southern Appalachian Mountains, *R. carolinianum* from the same region, and *R. Smirnowii* from the Caucasus, and if we can hope for a race of hybrid rhododendrons better suited to the conditions of the New England climate than any we now possess, it will be obtained by mingling the blood of these four species and by excluding entirely the blood of the Himalayan species to which the garden rhododendrons of Europe owe a large part of the brilliancy of their flowers.

Rhododendron Smirnowii.

This is a plant from which a good deal may be expected. It has been growing in the Arboretum for several years and has not suffered from cold or drought. When, however, the plant is fully exposed to the sun the leaves often droop and their edges infold, and it does better in partial shade. The leaves are pale grayish green above and below are thickly covered with pale felt which successfully protects them from the attacks of the lace-wing fly. The flowers are of good size and of pleasant shades of pink or rosy pink, and are borne in large clusters. As compared with the dark green leaves of *R. catawbiense* those of this plant are less attractive, but the flowers are much more beautiful in color and are equally large. Several hybrids of *R. Smirnowii* with varieties of *R. catawbiense* have been raised in Europe, and there are a few of these in the Arboretum collection. They have proved to be good garden plants here, flowering earlier than *R. Smirnowii* and producing larger pink flowers; they have never been injured in the Arboretum, but as there is only a trace of the felt left on their leaves they will probably suffer from the lace-wing fly. *Rhododendron carolinianum* is said to have suffered last winter in a few places near Boston, but it was uninjured in the Arboretum and in several other Massachusetts gardens. It is the most beautiful of the dwarf small-flowered rhododendrons which can be grown in this climate and may prove valuable to cross with other species.

Arnold Arboretum Bulletin June 8.

SEED TRADE

AMERICAN SEED TRADE ASSOCIATION

Officers—President, Lester L. Morse, San Francisco, Calif.; First Vice-President, J. M. Lupton, Mattituck, L. I.; Second Vice-President, E. C. Dungan, Philadelphia, Pa.; Secretary and Treasurer, C. E. Kendel, Cleveland, O.; Assistant Secretary, S. F. Willard, Jr., Cleveland, O.

AMERICAN SEED TRADE ASSOCIATION.

The American Seed Trade Association is in session at San Francisco as we go to press. We take pleasure in presenting the address of President Morse and the report of Secretary Kendel. We had hoped to receive telegraphic reports on the proceedings in time for this issue but it's a long, long way from San Francisco to Boston and nothing further has come to hand. Full report will appear next week.

President Lester L. Morse's Address, in Part.

The year of my administration has been uneventful so far as affairs affecting the American seedsmen is concerned. The trade has had a normal season with no great shortages except on certain kinds of beans and no great overproduction of any particular line. When the war broke out, a feeling of fear and distrust filled us with grave doubt as to whether or not seeds from the belligerent countries would be delivered and as to whether or not seeds grown here for delivery abroad could be shipped. Except in a few isolated cases, I understand that practically all contracts were delivered either in full or pro rata when short, and most of the growers on this side were able to fill their contracts. So the season proved to be one of fair averages all round. If there was some reason for doubt as to deliveries last autumn, there is greater cause for fear this year. Any sort of prediction will be idle and all we can do at this time is to hope. In spite of the fact that large areas of such crops as are usually secured from Europe are being grown in America, there are many things that will be very greatly affected if they are not secured from Europe since even with a good crop in this country, there will still be a serious shortage of many varieties. I understand there is a large acreage of turnip and cabbage in the northwest, while in California there is a liberal acreage of radish and carrot and some table beet. Most of the sugar factories, I understand, have protected themselves with an acreage of beets

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ASPARAGUS plumosus nanus. True Greenhouse-Grown.....	1000	10,000
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	100	1000
ASPARAGUS Hatcheri	\$0.50	\$1.50
	Tr. 1/2 Tr.	pkt. pkt.
CALCEOLARIA, Boddington's Perfection Mixed.....	\$1.00	\$0.60
CINERARIA, Boddington's Matchless Mixed.....	1.00	.60
CINERARIA, Boddington's Stellata Mixed.....	1.00	.60
PANSY, Boddington's Challenge Mixture. All Giants: 1/2 Tr. pkt., 25c.; Tr. pkt., 50c.; 1/4 oz., 75c.; 1/2 oz., \$1.50; 1/2 oz., \$2.75; oz., \$5.00.		
PANSY, Sim's Gold Medal Mixture. Tr. pkt., 75c.; 3 pkts., \$2.00; 1/4 oz., \$3.50		
PRIMULA Sinensis, Boddington's Matchless Strain. Pure White, Rose, Scarlet, Orange, Royal Blue and Mixture.....	1.00	.60
PRIMULA obconica gigantea. Lilac, Rosea, Kermesina, Pure White, and Mixture .....	.50	.30
PRIMULA malacoides. Lilac, Rose, and White. Tr. pkt., 50c.; collection of 3 varieties, \$1.25.		
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for seed. The California flower seed growers have planted a good acreage of standard varieties which will take care of some lines, but there are many varieties of flowers and vegetables which are only used in limited quantity and which a seedsman needs badly for catalogue and store trade. These items will keep the retail dealer in a dilemma for a good part of the coming months or until he finally learns whether he can or cannot get them. Stocks of all kinds, I understand, are pretty well cleaned up and the trade generally is ready for a good harvest.

Legislation.

The principal matters of interest to the association during the past year have been those affecting legislation. The legislatures of most of the states were in session last winter and in a number of states some attempt was made to pass legislation affecting the seed trade. The details of these matters will be duly considered in the report of our attorney, Curtis Nye Smith. On the whole, the proposed legislation was less unjust and unwise than it has been in the past and there is a cheerful evidence of a better understanding between the public, lawmakers, and the seed trade.

The Disclaimer.

The grower and dealer in vegetable seeds must insist on the protection of the disclaimer, and we must contest all efforts to nullify it. The market gardener and large planter must know as we do that there is a certain element of risk in planting seeds for a marketable crop. We who know that all varieties of cabbage, turnip, cauliflower, rape, mustard and kindred types of Brassica are similar if not identical in appearance; that the seed of thirty colors, types and varieties of onion seed all looks alike, that the seed of mangels, beets and chard in all their multitude of variety is identical in appearance, know that mistakes are going to occur, this, too, in spite of intelligence and system in handling seed. If guaranteed seed means surety for the resulting crop or, in other words, if ten dollars' worth of

celery seed means the responsibility for a thousand dollars' worth of crop with no share in the ultimate anticipated profit, then we are in a business too hazardous to warrant credit. The banks would soon put us all in the war risk class if they believed we were in such a business. The terrible results in loss of business in event of error is sufficient punishment to compel the utmost care and vigilance on the part of the seedsman.

I believe that the seed grower and dealer are both trying to produce and sell reliable seed and I believe that threatened punishment will have but

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Giant White, with Eye.....	.40	1.75
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Membership.

Our association has been invited by the American Vegetable Growers' Association to join with them in an attempt to regulate nomenclature. While our association has had a committee on nomenclature at various times, it has never been able to accomplish any definite results. It is well, however, that we appoint a committee and a good strong one to work with the vegetable growers. Their suggested rules for registration of garden vegetables are excellent, and while I doubt that any rule can be rigidly enforced, it will certainly be well to make some attempt to control the naming of varieties.

Nomenclature.

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Secretary's Report.

Membership last reported:	178
Active	2
Honorary	180
Additions made at the last Convention	9
Losses during the year:	
Expired	2
Dropped	4
Dissolved	1
Total	7
Net Gain	2

Total Membership at present (including 2 Honorary) 182

C. E. KENDEL, Secretary.

June 15, 1915.

Treasurer's Report.

RECEIPTS	
Balance on hand as reported	\$1,216.52
Initiation Fees	250.00
Dues	2,255.00
Interest at Bank	48.41
Sale of Disclaimers, etc.	2.84
Total	\$3,872.77
DISBURSEMENTS	
Counsel's Retainer	\$1,500.00
Secretary's Salary	100.00
Stenographer's Services	125.05
Legislative Committee Expenses	289.14
President's Incidentals	65.00
Printing Annual Report	238.20
Other Printing	61.35
Wholesale Seedsmen's League dues	25.00
Badges	40.75
Postage and Stationery	12.60
Office Incidentals	5.53
Total Expenditures	\$2,776.62
Cash in Bank	1,096.15
Total	\$3,872.77

C. E. KENDEL, Treasurer.

June 15, 1915.

SEED TRADE NOTES.

Report of the awards at the Sweet Pea Show in San Francisco has not yet reached us, but we learn that A. C. Zvolanek is the happy winner of the

YARRAWA

The Sweet Pea par-excellence for Winter Flowering under glass.

We were awarded Certificates of Merit for this superb novelty at the International Flower Show in New York, March, 1914, and at the Spring Show of the Pennsylvania Horticultural Society, Philadelphia, March, 1915.

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gold medal for the best exhibit of sweet peas.

The value of horticultural imports into New York for the week ending June 12, is given as follows: Nitrate of soda, \$336,405; grass seed, \$1,582; fertilizer, \$1,618; trees and plants, \$1,800.

Lochner & Co., New York City, are in receipt of an interesting communication from Einar Knutsson, representative of Hjalmar Hartmann & Co., of Copenhagen, Denmark, dated at Petrograd, Russia. Mr. Knutsson says that the war does not seem to be felt much in Petrograd. He had been there for several weeks and did an excellent business in the seed specialties for which his house is well known.

CORNELL STUDENTS VISIT BOSTON.

A party consisting of Professors Bryant Fleming, Ralph W. Curtis, E. G. Montillon, E. G. Lawson, an instructor and eight senior students, all from the Department of the College of Agriculture at Cornell University, have been visiting Boston and vicinity during the past week.

Their itinerary while in Boston included the city parks and playgrounds, the Metropolitan Park Reservations of the Charles River Basin, Blue Hills, Middlesex Fells and Re-

vere Beach, the Arnold Arboretum, Faulkner Farm and Weld Gardens, the Harvard School of Landscape Architecture and the Harvard Botanic Garden, many quaint old places at Salem and the following estates at Prides Crossing, along the North Shore, Frick's, Swift's, Moore's, Spalding's and Evans'.

A brief visit was also made to the offices of the Olmsted Brothers, landscape architects, and another visit to the Annual Rose and Peony Show at Horticultural Hall. The members of the party enjoyed every minute of their stay and are unanimous in their praise of Boston's many and varied examples of landscape development.

The party arrived on Friday, June 18, and left on Wednesday, June 23. They visited several places at Newport and then went to New York City. Professor Curtis remained behind for a longer stay at the Arnold Arboretum and returns to Cornell University today.

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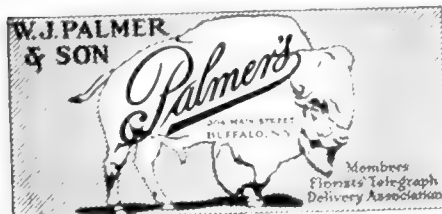
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Chicago, Ill.—A. Lawson, 1568 E. 63rd street; Miss Ida Maslotti, 1116 S. Halsted street.

Baltimore, Md.—Joseph Weiner, Rochambeau apartments, Charles street. Evans & Le Brun, 3419 Eastern avenue, succeeding Gus Lawson, Jr. Chas. E. Smith & Co., removing from 121 to 297 North Liberty street

NEWS NOTES.

Big Rapids, Mich.—Donner & Foster have purchased the Star Greenhouses

Park Ridge, Ill.—Benjamin Gruppe has sold his greenhouses at West Elm street to William Pasvogel.

Worcester, Mass.—Hollis E. Pease has purchased the florist business of Midgley & Co., 209 Main street.

Glencoe, Ill.—Fred G. Hunt has leased the greenhouses of the Glencoe Violet Farms for five years, and will grow chrysanthemums.

Rutland, Vt.—Sidney A. Baker has disposed of a half interest in his greenhouse business to George H. Baker, who has been in his employ.

Utica, N. Y.—Fire in the basement of Martin's Flower Shop, 39 Genesee street on the morning of June 15th, caused damage of \$300 to plants and fixtures, no insurance.

New Rochelle, N. Y.—James Scott, of Elmsford, addressed the Garden Club on June 14, at the residence of Mrs. J. D. Woodward, on "How to Grow Chrysanthemums."

New Rochelle, N. Y.—Forty of the leading gardeners from eastern New York and New England estates visited the R. B. Ward estate on invitation on June 22. Mr. Ward contemplates the laying out of an extensive and elaborate garden and the gardeners were invited for consultation and advice as to plants and plantings. Nicholas Buschbach, the superintendent, ably seconded his employer in extending a hospitable welcome to the visitors.

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Buffalo, N. Y.—Palmer's, 304 Main St.
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Chicago—William J. Smyth, Michigan
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Washington, D. C.—F. H. Kramer, 915
F St., N. W.
Westerly, R. I.—Reuter's.
Worcester, Mass.—Randall's Flower Shop,
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BEWARE.

We find it necessary to again warn
the trade against giving money for
subscriptions for "Horticulture" to
travelling solicitors. "Horticulture"
gives no premiums and has no sub-
scription solicitors on the road. Any
such claiming to represent this paper
are imposters and sharpers.

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PUBLIC ACCOUNTANT AND AUDITOR
Simple methods of correct accounting
especially adapted for florists' use.
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Telephone Main 54



"The Telegraph Florist"

Member of Florists' Telegraph Delivery

37-43 Bromfield St., Boston, Mass.

ORDERS FOR NEW YORK

WIRE OR PHONE TO
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22 West 59th Street, adjoining Plaza Hotel
Best Florists in the States as References
EUROPEAN ORDERS EXECUTED
Members of the Florists' Telegraph
Delivery.

REUTER'S

Members Florists
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STORES IN
New London and Norwich, Conn.
and Westerly, R. I.
We cover the territory between
New Haven and Providence

HESS & SWOBODA FLORISTS

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THE J. M. GASSER COMPANY,

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Euclid Avenue

Kerr **ORDERS
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TEXAS**
The Florist HOUSTON, TEXAS
Member F. T. D. Association.

The Far-Famed Flowers of TORONTO

Delivered on mail or telegram order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP
96 Yonge St., - - - TORONTO, ONT.

NEWS ITEMS FROM EVERYWHERE

NEW YORK.

Admiral U. S. B. Smith is to fly to New York by the *Albatross* tomorrow.

The Park Society is holding a whole sale sale at 11 P. M. every day for the summer months.

Charles Lacroix, Fifth Avenue store will be closed from Saturday noon until Monday morning each week throughout the summer.

The retail trade of New York city, more especially in the class of stores catering to the Fifth and Madison avenue people has been at a very low point ever since the sinking of the Lusitania.

The New York and New Jersey Association of Plant Growers will hold their next regular meeting at the secretary's office in the Queens Plaza Court Bldg., Bridge Plaza, Long Island City, on Tuesday, June 29, at 1:30 P. M. There will be a social meeting and immediately thereafter the members will go via automobiles to Feltman's at Coney Island for a dinner. The automobiles will be furnished by the members. All who participate will be expected to pay a proportionate share of what is spent at Feltman's.

The 15th annual outing and games of the New York Florists' Club will take place on Wednesday, July 14 at Witzel's Point View Grove, College Point. The committee in charge of this important event consists of F. W. Armitage, chairman; Louis Schmutz, Jr., A. J. Guttman, E. W. Holt, V. L. Morgan, J. W. Wagentohr, A. M. Henshaw, J. Hauck, Alex. Burns, Jr., Peter Denyse, Jr., J. J. Lane, L. W. C. Tut-hill, R. G. Wilson, A. Demusey, Jr., E. A. Manda, Sam. Redstone, J. Buerlein, Emil Schloss, J. W. Reimels, A. H. Donaldson and Victor S. Dorval.

The Greek American Picnic, another popular outing takes place one week earlier at the same grounds.

SAN FRANCISCO.

The Southern Pacific Railway Co. is putting in a new depot down the peninsula, which is located on the MacRorie-McLaren nursery property.

Many of the business places in Oakland, Berkeley and Alameda, including florist shops, closed on Alameda County Day at the exposition in order to participate in that event.

The Oregon Rose Festival, which was celebrated at the Oregon building at the exposition the first of the week created an extra demand for roses that drained the local market. Two orders alone called for 20,000 blooms.

The Fairmont Floral Co. on Powell street supplied one of the largest orders for American Beauties they ever handled a few days ago when they decorated the Manx Hotel in honor of the arrival of a delegation of sixty young women, winners in a beauty contest, to visit the exposition.

CHICAGO.

George Ashmus, says that S. Miller stores are busy filling orders for June weddings and commencements, principally the former.

Van S. Rogers, of Saugatuck, Mich., who opened a new store last spring was a visitor here. He reports a good trade, especially in bedding stock.

Miss Gertrude Lewis, whose artistic work among the flowers at J. Mangel's is recognized as among the best in Chicago, leaves this week for a summer at Winnipeg and points in British Columbia.

Jas. S. Wilson was in Chicago with the Des Moines Advertising Club, of which he is a member and which is meeting in Chicago this week as a part of the Advertising Clubs of the World, now in convention here.

How to entertain the eastern delegation when here, on their way to San Francisco, is occupying the minds of a joint committee from the Chicago Florists' Club and the Park Superintendents. Chicago hospitality is too well known to leave any doubts as to its wish to welcome the travelers.

The W. L. Palinsky greenhouses at 2865 Palmer street are offered for sale to close up the estate of Mr. Palinsky, whose death occurred last August. Description will be found on another page. The property can be divided. Mr. Palinsky was a pioneer florist whose property, at first far out, is now in a residence district.

News of the success of the Flower Show committee in securing the use of the Coliseum for a fall flower show was received with pleasure by the trade in general. It is usually regarded as a stimulus to the use of flowers during the winter. The various sub-committees will hold meetings this week and the work will be pushed rapidly forward.

Word was received here of the death of D. U. Augspurger, of Peoria, Ill., on Sunday, June 20. The funeral was on Tuesday. Mr. Augspurger was the head of the firm of D. U. Augspurger & Sons and has been for many years actively engaged in the florists' business. His frequent trips to Chicago gave him a wide acquaintance here and he will be missed by his friends in the trade.

Samuel Garner, of 4309 N. Kostner avenue, believes that a city lot can be made beautiful and yield a profit at the same time. On the rear half of a 50x150 ft. lot he has 200 peonies, including the choicest varieties, and his place is visited daily during the blooming season by scores of flower lovers. Mr. Garner sells a limited quantity of his plants each year. He formerly devoted this space to a rose garden but he says "Roses have all the diseases and bugs that plants are heir to" and he takes more pleasure in his big peony beauties.

New Bedford, Mass.—Business among the local florists is still far from dull. Geraniums continue in brisk demand and are not always easy to get.

PHILADELPHIA.

The deeds of Robert Morris were recalled and his memory honored when a tablet was unveiled at the luncheon of the Chestnut Street Business Men's Association, June 15, in the Hotel Adelphia. Dr. Ellis Paxton Oberholzer extolled the financier of the Revolution as having accomplished even more for American independence than did George Washington, Benjamin Franklin or Thomas Jefferson.

The tablet will be erected outside the store of Henry A. Dreer, Inc., Nos. 714 and 716 Chestnut street, within a few days. This site is chosen because it was on this ground Morris planned to erect a residence calculated to surpass in magnificence any building in the land. He laid the foundations, which still are to be seen in the basement of the Dreer and other properties in the row, just before he met financial misfortune, which resulted in his being thrown in the debtors' jail.

The tablet is bronze and bears the inscription, "Site of the residence of Robert Morris, statesman and financier. Born 1734. Died 1806. Founded Bank of North America in 1781. Buried in Christ Church. This tablet is erected to his memory by the Chestnut Street Business Men's Association."

The Philadelphia Cut Flower Co. will be under new management after July 1. R. C. Hayden, who was the founder and backer of the company, has sold out his interest to his manager, Geo. Aeugle. Mr. Aeugle is young and enthusiastic and we look to him as a comer in the commission field.

MacDonald's Grass Blankets have frequently been mentioned in these columns as well as all other gardening papers. It is worth noting, however, that an enterprising firm, who do business in lawn sprinklers, has been using this ready means of improvising a lawn in their shop window, with a sprinkler at work over its surface. It's a good idea, and it should set the minds of some of our big seedsmen at work thinking out equally ingenious schemes for making their shop windows more attractive.

The foregoing from an English trade paper "sounds reasonable!"—as Bo's'n Trainer would say. But how about our American pastmasters in window decorations, like Philip Freud, of Michell's, for instance. Wouldn't he smile if he should ever happen to read a paragraph like that!

ST. LOUIS.

A committee consisting of W. A. Rowe, W. Edwards and Hugo Gross has been appointed by the County Growers' Association to meet the wholesalers and try to persuade them to continue Sunday opening as heretofore so they could dispose of their Saturday morning cut.

Merchantville, N. J.—Mrs. M. A. Seaman became Mrs. Wm. S. Johnston, June 15th. Mr. Johnston is in the grocery business; but it is said that he is also an experienced florist—and this will no doubt develop added importance to the Seaman floral establishment.

"HERE COMES THE BRIDE"

and she can't get along without the florist. June should be your **Busy Month.**

FOR THE JUNE WEDDING

we have **Lace Bridal Holders, Wedding Cords, Wedding Posts, Wedding Gates, Kneeling Stools, Gauze Chiffons** for Shower Bouquets; **Bridal Scarfs, Resting Baskets, Shepherd's Crooks, Directoire Staffs.**

Stunning Novelties—Our New Decorative Bird Cages on Stands and Single Bird Cages are the sensation of the season.

FOR COMMENCEMENTS AND GRADUATION GIFTS

Hi-Art Decorative Commencement Baskets and all other accessories.

Stock up now and have the goods to show customers. Send for prices and you will be astonished to see how much you can do with a little money when you go straight to headquarters

THE FLORISTS' SUPPLY HOUSE OF AMERICA

H. BAYERSDORFER & CO., 1129 Arch Street, PHILADELPHIA, PA.

WASHINGTON.

A committee of florists is actively engaged in the preparation of plans for what may prove to be the most successful outing ever held by the Florists' Club of Washington, D. C. The affair is to be held at Great Falls, Va., early next month.

George W. Hess, superintendent of the United States Botanic Gardens, and William F. Gude just returned from a visit to Barnegat Bay where they were the guests of Commodore Wescott upon the opening of the rod and gun club at that place.

Congratulations are being heaped upon the popular young manager of the Washington Floral Company, J. Harper Hetherington, who was last Wednesday evening married to Miss Alice Cramer, formerly in the employ of the same concern as bookkeeper. Mr. Hetherington has been connected with the firm for the past five years, having previously been employed by Fred H. Kramer. He is the son of Joseph H. Hetherington, who is employed by the Robert Craig Company in Philadelphia, and has had a long experience for so young a man in the florists' business. He was made manager of the company following its recent reorganization. Miss Cramer at first acted as salesgirl and some little time ago she was made bookkeeper and cashier, remaining in that capacity until a week or so previous to her marriage. The young couple are at present spending their honeymoon in Atlantic City.

PITTSBURGH.

C. F. Mancke, of the Zieger Company, will leave shortly to spend his vacation at Atlantic City.

Vorbert Huttinger, who is in the store of Mrs. E. A. Williams, has the sympathy of his friends and acquaintances in the death of his mother, Mrs. Huttinger, of the North Side, last Monday evening.

Randolph & McClements have plant-

ed the grounds of their next door neighbor, the East Liberty Presbyterian Church, with a large bed of holyhocks, poppies, larkspur, fox glove, etc., with a border of pinks. Nearby is a mound of crotons and a crescent of coleus.

The horticultural department opened by the Rosenbaum Company in the basement of and simultaneously with the new store, has been abandoned. McCreery & Co., who began the sale of cut flowers a few weeks ago, have also dispensed with this feature "as long as there are so many outdoor flowers."

Those who visited the Joseph Horne Company store's celebration of Rose Day expressed the keenest admiration. These displays comprised some set pieces planned and executed by the young women and men of the store. For these the firm awarded several prizes through a committee. Many thousands of roses were used in conjunction with merchandise and store displays. Rose Day will be a recognized feature to continue in years to come.

BOSTON.

P. Welch has been away for the past week looking after his interests in Montreal and Albany.

The Garden Committee of the Massachusetts Horticultural Society, under the personal conduct of President Farquhar visited the rose gardens of Miss Fay and M. H. Walsh at Woods Hole on Thursday, June 24.

Peirce Bros., of Waltham, have won the gratitude of the public and a nice amount of newspaper publicity by announcing that on a certain day they would give away 10,000 rose plants which had been growing in their houses for the past season, the distribution taking place at three public school buildings.

OBITUARY.

D. U. Augspurger.

D. U. Augspurger, senior member of the firm of Augspurger & Sons, Peoria, Ill., died on June 20.

Karl Koenig.

Following a brief attack of pleuropneumonia the death of Karl Koenig took place last Saturday at his home in Millvale, Pa. Mr. Koenig, who was aged 44, came from Germany in 1889, since which he has been engaged in the floral business. At the time of his death he was the largest and most successful wholesale grower of bulbs and lilies in the Pittsburgh section. Mr. Koenig is survived by his widow, Mrs. Mary Elizabeth Fisher Koenig; four sons and five daughters.

Albert C. Rott.

Albert C. Rott, retail florist of Joliet, Ill., passed away at his home in that city, June 18, after a few days illness. Mr. Rott has been connected with the florists' business practically all his life, first in Chicago, then with the Thompson Carnation Co. and then taking over their store for himself. He was ably assisted by Mrs. Rott who will continue the business. Mr. Rott had not been well for some time, but was able to attend to business up to a week ago. Interment took place at Bloomington, Ill.

James H. McKay

One of the victims of the serious drowning tragedy at Atlantic City last Sunday, June 20, in which eight bathers lost their lives, was James H. McKay, a well-known retail florist of Philadelphia, whose store was located in the Kensington district for many years. He was a successful business man and highly respected in the trade. He was born in Scotland 51 years ago and came to this country when about twenty. A widow and four children survive him, also a brother, who is in the real estate business and with whom Mr. McKay was associated.

For School Commencements and June Weddings

VALLEY CATTLEYS BEAUTIES

A Large Supply of PEONIES

Let Us Know Your Requirements
Our Quotations Will Interest You

THE LEO NIESSEN CO.

Wholesale Florists

N. W. Cor. 12th and Race Sts., PHILADELPHIA, PA.

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HELP Us to Continue
Producing the

BEST TRADE PAPER

Just Mention **HORTICULTURE**
When Writing to Advertisers

THE BEST LETTERS

FOR
FLORIST'S
USE

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THOSE
MADE
BY THE

Boston Florist Letter Co.

66 PEARL ST., BOSTON
N. F. McCarthy, Mgr.

Block Letters, \$2.00 per 100.
Script Letters, \$3.00 per 100.

Order direct or buy from your local
supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always
in Stock.



POEHLMANN BROS. CO.

Supply of Best Cut Flowers all the Year Around
72-74 EAST RANDOLPH ST., - - - CHICAGO.

If interested, send us your name and address for our weekly price list.

WELCH BROS. CO.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE
SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 — TO DEALERS ONLY

	CINCINNATI June 21		CHICAGO June 21		BUFFALO June 21		PITTSBURG June 14	
Roses								
Am. Beauty, Special.....	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00	15.00	to 20.00
" " Fancy and Extra.....	12.50	to 15.00	15.00	to 20.00	12.00	to 15.00	10.00	to 12.50
" " No. 1.....	6.00	to 10.00	6.00	to 12.00	6.00	to 10.00	3.00	to 6.00
Killarney, Richmond, Extra.....	4.00	to 5.00	6.00	to 8.00	5.00	to 7.00	6.00	to 8.00
" " Ordinary.....	2.00	to 3.00	2.00	to 5.00	2.00	to 4.00	2.00	to 4.00
Hillingdon, Ward, Sunburst, Extra.....	5.00	to 6.00	6.00	to 8.00	6.00	to 9.00	4.00	to 6.00
" " Ordinary.....	2.00	to 4.00	3.00	to 5.00	2.00	to 6.00	2.00	to 3.00
Arenberg, Radiance, Taft, Extra.....	5.00	to 6.00	6.00	to 8.00	6.00	to 8.00	.....	to 10.00
" " Ordinary.....	2.00	to 4.00	3.00	to 5.00	2.00	to 6.00	.....	to 10.00
Russell, Hadley, Ophelia, Mock.....	2.00	to 6.00	4.00	to 20.00	5.00	to 10.00	.....	to 12.00
Carnations, Fancy.....	2.00	to 2.00	2.00	to 3.00	1.00	to 2.00	1.00	to 2.00
" " Ordinary.....	.....	to 1.00	.50	to 1.50	.75	to 1.00	.....	to .75
Cattleyas.....	25.00	to 35.00	35.00	to 50.00	25.00	to 50.00	.....	to 50.00
Dendrobium formosum.....	.....	to .....	.....	to .....	.....	to .....	.....	to
Lilies, Longiflorum.....	6.00	to 8.00	8.00	to 12.00	6.00	to 8.00	4.00	to 8.00
" " Rubrum.....	.....	to .....	.....	to	3.00	to 5.00	.....	to
Lily of the Valley.....	3.00	to 4.00	3.00	to 4.00	.....	to 4.00	3.00	to 4.00
Daisies.....	.....	to 1.00	1.00	to 1.50	1.00	to 1.50	.50	to 1.00
Stocks.....	.....	to 1.00	2.00	to 3.00	2.00	to 3.00	.....	to 2.00
Snappedragon.....	.....	to 3.00	3.00	to 5.00	3.00	to 5.00	.....	to 2.00
Gladioli.....	3.00	to 4.00	4.00	to 6.00	4.00	to 5.00	3.00	to 5.00
Peonies.....	.....	to 3.00	3.00	to 5.00	2.00	to 4.00	2.00	to 6.00
Sweet Peas.....	.25	to .40	.40	to 1.00	.15	to .25	.25	to 1.00
Gardenias.....	.....	to 15.00	15.00	to 20.00	20.00	to 25.00	.....	to 20.00
Adiantum.....	.....	to 1.00	1.00	to 1.50	1.00	to 1.25	1.00	to 1.25
Smilax.....	.....	to 12.50	15.00	to 18.00	.....	to 15.00	12.50	to 15.00
Asparagus Plumosus, Strings (100) & Spreng. (100 bchs.)	.....	to 50.00	50.00	to 60.00	40.00	to 50.00	.....	to 50.00
	25.00	to 35.00	25.00	to 35.00	25.00	to 35.00	.....	to 50.00

C. E. CRITCHELL

"The" Wholesale Florist of Cincinnati
32-34-36 East Third Street

Consignments Solicited. Complete stock of
Florists' Greens and Supplies.

Mention Horticulture when writing.

Wired Toothpicks

Manufactured by

W. J. COWEE, Berlin, N. Y.

10,000....\$1.75. 50,000....\$7.50. Sample free
For sale by dealers.

E. G. HILL CO.

Wholesale Florists

RICHMOND, IND.

Please mention Horticulture when writing.

WILLIAM F. KASTING Co.

Wholesale Florists

383-387 ELLICOTT ST. - - - BUFFALO, N. Y.



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CHOICE BEAUTIES, ORCHIDS, VALLEY, ROSES
and all Seasonable Varieties of Cut Flowers

MICHIGAN CUT FLOWER

EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

26 4 RANDOLPH ST., DETROIT, MICH.

Flower Market Reports

BOSTON The market here is at a dead standstill. For the past two weeks it has been on the down grade and, from the appearance of the wholesale market tables and according to the record of past seasons at this date there is no likelihood of recovering for some time. All flowers are in over-loaded profusion and only a small percentage of the product coming in is disposed of at quoted rates. Large quantities fail utterly to find a taker and have to be either thrown away or unloaded on terms which are practically the same thing. Carnations are the worst sufferers, judging from the wagon loads of blooms which encumber the market. Roses are not much different but they are of a little better quality, so far, and do not show the effects of the advancing season to such an extent as the carnations do. American Beauty is the best seller at present but at figures considerably lower than in previous years at this date. Peonies are about finishing up. The placing of peony buds in cold storage as is done in some other places is not practiced here.

CHICAGO The rain has stopped for three consecutive days and florists are again optimistic. Not all the downpour of the past six weeks can make a florist remain a pessimist when the sun shines three days in succession and Chicago florists are quick to see the bright side. The week end was not so bad. Flowers did not bring a high price, but they were moved without touching the lowest figures of the season. The tendency is to special quotations on large lots and frequently on lots that cannot be considered large so the buyer within a small radius of this market finds it well to come here frequently and buy in person. Peonies are still coming in, in spite of the fact that rain has played havoc with many fields. Stock is also being taken from storage and wholesalers report it coming out in good condition and selling readily at a fair price. Outdoor sweet peas are cutting down prices. Carnations are selling—at any price—some days to avoid accumulation. All kinds of roses can be bought in any quantity and almost at any price. There is plenty of miscellaneous stock.

CINCINNATI The market generally is in an oversupply. Receipts of all seasonable flowers are very heavy while the demand for them is not very large. Prices, naturally, with this set of circumstances, are low. Shipping business holds up pretty well. Roses are very plentiful and include many excellent blooms. Gladioli have a fair market. Good longiflorum lilies, Auratum lilies, lily of the valley and orchids may be had in fair quantities. Cut hardy hydrangea are now in the market. Carnations do not sell very well. The supply of greens is large.

NEW YORK Summer listlessness is rapidly enveloping the entire flower market here. The closing days of June show a little activity in the sweet pea call due to the school closing exercises and the stock available for this is abundant and excellent. Other than this wee bit of comfort there is little of encouragement in the situation or the



Rhode Island Reds

GROWN in a cooler climate produces a very much superior quality to the local stock, splendid color, size and foliage.

	Doz.	100
Special	\$3.50	\$25.00
Fancy	2.50	20.00
Extra	2.00	15.00
First	1.50	10.00
Second	1.00	8.00

S. S. PENNOCK - MEEHAN CO.

The Wholesale Florists of Philadelphia

PHILADELPHIA, 1608-1620 Ludlow St.
BALTIMORE, Franklin & St. Paul Sts.

NEW YORK, 117 West 28th St.
WASHINGTON, 1216 H St., N. W.



WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON June 23		ST. LOUIS June 21		PHILA. June 21	
Roses						
Am. Beauty, Special	10.00	to 10.00	20.00	to 30.00	20.00	to 25.00
" " Fancy and Extra	6.00	to 8.00	10.00	to 15.00	10.00	to 15.00
" " No. 1	3.00	to 5.00	5.00	to 8.00	4.00	to 8.00
Killarney, Richmond, Extra	2.00	to 4.00	3.00	to 5.00	4.00	to 6.00
" Ordinary	.50	to 1.00	2.00	to 3.00	2.00	to 3.00
Hillingdon, Ward, Sunburst, Extra	2.00	to 4.00	5.00	to 6.00	4.00	to 6.00
" Ordinary	.50	to 1.00	3.00	to 4.00	2.00	to 3.00
Arenberg, Radiance, Taft, Extra	2.00	to 4.00	5.00	to 6.00	4.00	to 6.00
" Ordinary	.50	to 1.00	3.00	to 4.00	2.00	to 3.00
Russell, Hadley, Ophelia, Mock	2.00	to 8.00	5.00	to 6.00	4.00	to 12.00
Carnations, Fancy	.75	to 1.00	2.00	to 3.00	2.00	to 3.00
" Ordinary	.45	to .50	.75	to 1.00	1.00	to 2.00
Cattleyas	20.00	to 35.00	35.00	to 40.00	35.00	to 50.00
Dendrobium formosum	2.00	to 3.00	4.00	to 5.00	5.00	to 8.00
Lilies, Longiflorum	2.00	to 3.00	3.00	to 4.00	2.00	to 4.00
" Rubrum	.50	to 1.00	.30	to .50	.35	to .75
Lily of the Valley	1.00	to 1.50	4.00	to 5.00	2.50	to 3.00
Daisies	.50	to 1.00	2.00	to 4.00	1.00	to 3.00
Stocks	1.00	to 3.00	3.00	to 4.00	4.00	to 6.00
Snapdragon	1.50	to 3.00	4.00	to 5.00	5.00	to 6.00
Gladioli	.15	to .75	.25	to .50	.35	to .75
Peonies	10.00	to 12.00	1.00	to 2.00	2.00	to 3.00
Sweet Peas	.50	to 1.00	1.00	to 1.25	1.00	to 1.00
Gardenias	10.00	to 12.00	20.00	to 25.00	20.00	to 20.00
Adiantum	25.00	to 50.00	35.00	to 50.00	50.00	to 50.00
Smilax	25.00	to 35.00	15.00	to 20.00	25.00	to 50.00
Asparagus Plumosus, Strings (100)						
" & Spreng. (100 Bchs.)						

immediate outlook. Peonies are about finished locally, but some cold storage blooms are in evidence which find a fair market. The push-carts in the downtown streets which were loaded last week with peonies, are still in evidence but carnations have taken the place of the peonies. The quality of both carnations and roses is fine and the debilitating effect of summer heat is not yet apparent. There is a large supply of lily of the valley in sight, much of it in over-ripe shape, mute evidence of the enormously excessive supply which the growers have been putting out in anticipation of the June wedding and graduation demand. Of lilies there is still an unweildy surplus and the standard of value for this product is now at an unprecedentedly low point. We have never seen so many superb cattleyas in the market. They are on every wholesaler's table but their prestige seems to have disappeared and they must now share with the more plebeian material the

knocks of an unsympathetic market. Quantities of campanulas, sweet williams and similar flower garden products are in at present, also various rambler roses in bunches of sprays. These seasonable outdoor flowers seem to find preference with many retailers for show window adornment, together with water lilies, larkspurs, gypsophilas, sweet sultans and other odds and ends not obtainable as a rule at any other season.

Big oversupply
PHILADELPHIA here last week.
Piles and piles of boxes never opened. Roses a dollar a thousand. Carnations about as bad. Sweet peas much of the stock arriving in poor condition and unsalable at any price. Please excuse. Painful subject. The Leo Niessen Co. announces that early closing will commence July 1. On and after that date store will close at 5 p. m. until further notice.

(Continued on page 8)

H. E. FROMENT

Wholesale Commission Florist
Choice Cut Flowers

New Address, 148 West 28th St., NEW YORK

Telephones: 2200, 2201, Madison Square.

Moore, Hentz & Nash

Wholesale Commission Florists

55 and 57 West 26th Street

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Call and inspect the Best Establishment
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GEO. C. SIEBRECHT

WHOLESALE FLORIST

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CONSIGNMENTS SOLICITED

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JOHN YOUNG & CO.

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NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS

	Last Half of Week ending June 19 1915		First Half of Week beginning June 21 1915	
American Beauty, Special	1.00	to 15.00	10.00	to 12.00
" " Fancy and Extra	5.00	to 8.00	4.00	to 8.00
" " No. 1	2.00	to 4.00	2.00	to 3.00
Killarney, Richmond, Extra	2.00	to 4.00	2.00	to 4.00
" " Ordinary	.15	to 1.00	.15	to 1.00
Hillingdon, Ward, Sunburst, Extra	1.00	to 4.00	2.00	to 4.00
" " Ordinary	.15	to 1.00	.15	to 1.00
Maryland, Radiance, Taft, Extra	2.00	to 1.00	2.00	to 4.00
" " Ordinary	.25	to 1.00	.15	to 1.00
Russell, Hadley, Ophelia, Mock	1.00	to 8.00	1.00	to 8.00
Carnations, Fancy	.75	to 1.00	.75	to 1.00
" " Ordinary	.15	to .50	.15	to .50

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Open 6 a. m. daily

"OLD AND RELIABLE," YET ALWAYS PROGRESSIVE

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Has removed to a more spacious and modern equipped store at 118
West 28th Street. Every facility and convenience for the care and
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Wholesale Florists

101 W. 28th St., NEW YORK

We have 20 years' experience behind us.
Telephone, Madison Square 896 and 897.



Flower Market Reports

(Continued from page 857)

There was no special activity in the flower market here the past week, but general business seems to be keeping up a little better than usual for this time of the year on account of the increased travel through the city and the large number of special events in connection with the exposition, which follow each other in rapid succession. Several downtown shops have been featuring baskets, especially arranged as "Bon Voyage" gifts or favors to arriving guests, and a considerable demand is reported for such pieces. There is little change in the nature of the stock offered since the last report, with the exception of sweet peas and carnations being in somewhat lighter supply, with quality hardly so good. First-class carnations are really scarce and bring high prices, while ordinary stock is hard to move even at low figures. Gladioli are plentiful, but the offerings clean up nicely from day to day. Panama, America and Mrs. Francis King are the principal favorites. Dahlias are improving in quality and next week promises to be still better. A few very fine Delice are coming in. A liberal supply of gardenias finds a ready outlet, the specimens being of fine quality. All varieties of roses are exceptionally plentiful except long-stemmed American Beauties. The latter are scarce and are readily absorbed. Many of the staple lines are above average quality. Ophelia rose is very fine; Hadley is popular, and Aaron Ward has a good call. Rambler rose sprays are a strong feature for decorative work.

The wholesale market **ST. LOUIS** has plenty of everything in season and prices are unchanged. The biggest day in the wholesale district since Easter was on Saturday, June 19, when it was announced that the market would close on Saturday at noon and remain so until Monday morning. This announcement brought a protest from the local growers and some of the retailers but it was enforced just the same. Great cuts of carnations, roses, sweet peas and gladioli have been coming in. The demand was much better than for some time, still there is quite a lot of stock left over daily. Lily of the valley and white flowers sold best all last week.

The retailers have been having things pretty well their own way during the past week or ten days as the coming of hot weather has caused a marked depression in the local flower market and those selling flowers at wholesale would feel very well satisfied could they but move a fourth of the heavy supply of stock of all kinds which is coming in. The dull season has set in in earnest. Lily of the valley was the week's best seller, but even this did not clean up. Peonies are at an end. Roses and carnation of local production are getting very poor. Some excellent stock is being received from the north but is not being purchased to any great extent. Plenty of exceptionally fine *Cattleya gigas* are to be had but the demand is limited. The gross amount

PATRICK WELCH, WHOLESALE FLORIST

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TELEPHONE MAIN 2698

American Beauties, Orchids, Valley, Carnations. All the novelties in the Cut Flower Market furnished on short notice. Prices quoted on application. No retail orders accepted. Flowers shipped out of Boston on early trains.

STORE OPEN FOR BUSINESS AT 6 A. M.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending June 19 1915	First Half of Week beginning June 21 1915
Cattleyas	1.00 to 25.00	1.00 to 25.00
Lilies, Longiflorum	1.00 to 2.00	1.00 to 1.50
" Rubrum	1.00 to 2.00	1.00 to 2.00
Lily of the Valley	1.00 to 2.00	1.00 to 2.00
Daisies	1.00 to 1.50	1.00 to 1.50
Stocks	1.00 to 1.00	1.00 to 1.00
Snapdragon .....	.50 to 1.00	.50 to 1.00
Iris	1.00 to 2.00	1.00 to 2.00
Gladioli	1.00 to 4.00	1.00 to 2.00
Peonies	1.00 to 2.00	.75 to 1.50
Sweet Peas .....	.25 to .75	.25 to .75
Corn Flower	1.00 to 1.00	1.00 to 1.00
Gardenias	2.00 to 20.00	2.00 to 15.00
Adiantum .....	.50 to .75	.50 to .75
Smilax	8.00 to 15.00	15.00 to 20.00
Asparagus Plumosus , strings (per 100)	15.00 to 35.00	15.00 to 35.00
" & Spreen (100 bunches)	10.00 to 20.00	10.00 to 20.00

of business done in any one line is small as compared to the earlier weeks of the month. The florists' however, have had a much longer season this year than last.

PERSONAL.

Ex-Senator Len Small of Kankakee, Ill., has been elected president of the Ill. State Board of Agriculture.

Wm. H. Dildine, treasurer of James Vick's Sons, Rochester, N. Y., who was operated on recently for appendicitis, is rapidly improving.

Henry Grindrod, formerly of Greenwich, Conn., has assumed the superintending of the Dr. Clarence Fahnestock at Cold Spring, N. Y.

Rose Frances, daughter of Joseph Schneider, of Schneider & Noe, Congress, N. Y., and Henry F. Hensey were married on Sunday, June 20.

The marriage intentions of Frank Nelson, florist, 147 Cedar street, New Bedford, Mass., and Florence Wilde, also of New Bedford, have just been filed.

The wedding of Miss Edna Ganzmiller to Frank Kyrk took place on Tuesday evening, June 22, at the Popular street Presbyterian Church, Cincinnati, O.

Miss Clara Wilson, daughter of James S. Wilson, of Des Moines, Ia., and Irving Randolph Branner also of Des Moines were married in Chicago, Saturday, June 19.

BUSINESS TROUBLES.

Columbus, O.—Art Floral Co., Keith's Theatre Bldg., Hugh Dugan, receiver.

Edmonton, Alberta. A. E. Potte has made an assignment to J. A. MacKinnon.

Samuel Lum, for many years a well-known rose grower of Chatham, N. J., has gone into bankruptcy. Schedules of liabilities are not yet available but the amount is said to be more than \$40,000. Harry O. May, as representing the Chatham Trust Co. and Summit Trust Co., has been appointed temporary receiver. Two wholesale houses in New York City have claims for cash advanced, we understand, but the failure is said to be due to unprofitable oil stock investments and

note endorsements and does not involve florist trade people to the number and extent that such affairs usually do. The greenhouses comprise about 38,000 square feet.

VISITORS' REGISTER.

San Francisco—George Roeding, Fresno; Harry Harrington, Los Angeles, Cal.

New York—Wm. M. Post, of Post & Gray, New Bedford, Mass.; Col. W. W. Castle, Boston.

Philadelphia—W. H. Vance, Wilmington, Del.; George W. Hess and W. F. Gude, Washington, D. C.

Boston—B. H. Farr, Wyomissing, Pa.; Prof. A. B. Saunders, Clinton, N. Y.; Prof. R. W. Curtis, Ithaca, N. Y.; W. R. Cobb of Lord & Burnham Co., New York; Charles Schwake, New York; Leonard Barron and J. J. Lane, Garden City, N. Y.

Chicago—Roy Blessing, with Henry Cusik Co., Kansas City, Mo.; James S. Wilson, Des Moines, Ia.; Mr. and Mrs. Thos. Best, St. Joseph, Mo.; Roy T. Millis with the Alpha Floral Co., Kansas City, Mo.; Thos. Joy, Jr., Nashville, Tenn.; Wm. G. Miller, Peru, Ind.; Edward Frayling of the Wealthy Ave. Floral Co., Grand Rapids, Mich.; F. S. Henry, Watseka, Ill.; Jas. Mandes, of the Sunshine Florists, Minneapolis, Minn.; Van S. Rogers, Saugatuck, Mich.

Natural Green Sheet Moss . . . \$1.75
Dyed Green Sheet Moss . . . 3.00

Delivered by Express

Huckleberry Follage \$2.00 Per Case.

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Evergreen, Ala.

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WHOLESALE FLORIST

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APHIS PUNK

Neoline Mfg. Co., St. Louis, Mo.
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ARAUCARIAS

Geoffrey Aschmann, Philadelphia, Pa.
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ASPARAGUS

Asparagus Plumosus. 2 1/2 in. extra strong, \$3.00 per 100; \$22.50 per 1000. Seedlings, from greenhouse-grown seed, ready July 1st, \$1.00 per 100; \$5.00 per 1000. COLLINGDALE GREENHOUSES, Collingdale, Pa.

AUCTION SALES

Elliott Auction Co., New York City.
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AZALEAS

P. Ouwkerk, Hoboken, N. J.
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BAY TREES

August Rolker & Sons, New York.
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BAY TREES—Standard and Pyramids. All sizes. Price List on demand. JULIUS ROEHRS CO., Rutherford, N. J.

BEDDING PLANTS

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Wood Bros., Fishkill, N. Y.
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H. Hansen, Malden, Mass.

BEGONIAS

Julius Roehrs Company, Rutherford, N. J.
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R. & J. Farquhar & Co., Boston, Mass.
Farquhar's Tuberous Rooted Begonias.
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Thomas Roland, Nahant, Mass.
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A. M. Davenport, Watertown, Mass.
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Begonia Lorraine, \$12.00 per 100, \$110.00 per 1,000; Begonia Glory of Cincinnati, \$15.00 per 100, \$140.00 per 1,000. JULIUS ROEHRS CO., Rutherford, N. J.

BOILERS

Kroeschell Bros. Co., Chicago.
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King Construction Co., North Tonawanda, N. Y.

"King Ideal" Boiler.
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Lord & Burnham Co., New York City.

Hitchings & Co., New York City.
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BOXES—CUT FLOWER FOLDING

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made. Write for list. HOLTON & HUNKEL CO., Milwaukee, Wis.

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BOX TREES—Standards, Pyramids and Bush. In various sizes. Price List on demand. JULIUS ROEHRS CO., Rutherford, N. J.

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Lily Bulbs.
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John Lewis Childs, Flowerfield, L. I., N. Y.
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August Rolker & Sons, New York City.
Holland and Japan Bulbs.
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R. & J. Farquhar & Co., Boston, Mass.
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S. S. Skidelsky & Co., Philadelphia, Pa.
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Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
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Hardy Lilies.
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Fottler, Flske, Rawson Co., Boston, Mass.
Summer Flowering Bulbs.
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C. KEUR & SONS, HILLEGOM, Holland.
Bulbs of all descriptions. Write for prices.
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H. Hansen, Malden, Mass.

Canna Specialists.

Send for Canna book.

THE CONARD & JONES COMPANY,
West Grove, Pa.

CARNATIONS

F. Dörner & Sons Co., Lafayette, Ind.
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CARNATION STAPLES

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 1000 for 35c.; 3000 for \$1.00 post paid. I. L. PILLSBURY, Galesburg, Ill.

CARNATION STAPLES—Continued

Supreme Carnation Staples, for repairing split carnations, 35c. per 1000; 3000 for \$1.00. F. W. WAITE, 85 Belmont Ave., Springfield, Mass.

CHRYSANTHEMUMS

Poehlmann Bros. Co., Morton Grove, Ill.
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Wood Bros., Fishkill, N. Y.
Chrysanthemums Rooted Cuttings.
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Chas. H. Totty, Madison, N. J.
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Pompon Chrysanthemums.
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50,000 Chrysanthemum Rooted Cuttings and soil plants; leading market sorts. Write for price list. WM. SWAYNE, Lock Box T, Kennett Square, Pa.

Major Bonnaffon, Pacific Supreme, Alice Byron, Golden Glow, Chrysolora, rooted cuttings, \$15.00 per 1,000; out of 2-in. pots, \$20.00 per 1,000. SHEPARD'S GARDEN CARNATION CO., Lowell, Mass.

THE BEST 1915 NOVELTIES.

The Cream of 1914 Introductions.

The most popular Commercial and Exhibition kinds; also complete line of Pompons, Singles and Anemones. Trade list on application. ELMER D. SMITH & CO., Adrian, Mich.

Chrysanthemum Rooted Cuttings—Chas. Razer, Polly Rose, Ivory, Golden Glow, Donatello, Hallday, Bonnaffon, Unaka, Pacific Supreme, Dr. Enguehard, \$15.00 per 1000. J. Nonin, Xmas White, Mrs. Syme, Yanoma, Comoleta, Chrysolora, Roman Gold, Appleton, Minnie Bailey, Wells' Late Pink, Patty, Helen Frick, Harvard, \$17.50 per 1000. H. J. ROLFE, Hammononton, N. J.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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CROTONS

F. R. Pierson Co., Tarrytown, N. Y.
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A. M. Davenport, Watertown, Mass.
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CYCLAMEN.

Best strain of colors:

Xmas Red, Wonder of Wandsbek (best Salmon), Rose of Marienthal, Glowing Dark Red, White with Red Eye, Pure White. Strong plants, out of 2 1/4-in. pots, at \$5.00 per 100, \$100.00 per 1000. Satisfaction guaranteed. Cash with order, please.

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Send for Wholesale List of whole clumps and separate stock; 40,000 clumps for sale. Northboro Dahlia and Gladiolus Gardens. J. L. MOORE, Prop., Northboro, Mass.

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John Wanamaker, Newest, Handsome, Best. New color, new form and new habit of growth. Big stock of best cut-flower varieties. Send list of wants to PEACOCK DAHLIA FARMS, Berlin, N. J.

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English Ivy from soil, 20 to 30 in., \$3.00;
from pots, 12 to 15 in., \$4.00. CHAS.
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FOLIAGE PLANTS

A. Leuthy & Co., Roslindale, Boston, Mass.
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FUCHSIAS

Fuchsias—Black Prince, Speciosa, double
purple and white. Rooted Cuttings, \$1.00
per 100; 2½-in. \$2.00 per 100.
W. J. BARNETT, R. D. 67, Sharon, Pa.

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Aphine Mfg. Co., Madison, N. J.
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Michigan Cut Flower Co., Detroit, Mich.
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White Marsh, Md.
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GERANIUMS For Sale or Exchange.
1,500 3½-inch in bud and bloom, \$65.00 per
1000. Cash. Can use Ferns, Vincas, Be-
gonias; or what have you in exchange?
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Greenhouse glass, lowest prices. JOHN-
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GUTTERS

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King Channel Gutter.
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Florists' Hail Asso. of America.
J. G. Esler, Saddle River, N. J.
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Natural Green Sheet Moss, Fancy and Dag-
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H. A. Dreer, Philadelphia, Pa.

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Hammond's Slug Shot.
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LEMON OIL

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Horticultural Importers and Exporters.
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R. M. Ward & Co., New York, N. Y.
Japanese Lily Bulbs of Superior Quality.
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TREESIA PURITY AND CALLA LILY BULBS

We control one-half of the finest grown
bulbs in Santa Cruz County. We have
satisfied customers all over the United
States. Allow us to estimate your wants.
Satisfaction guaranteed. SANTA CRUZ
LILY & PLANT CO., 21 Pacific Ave.,
Santa Cruz, Calif.

Corp. of Chas. F. Meyer, New York City
Meyer's T. Brand Giganteums.
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Hohmann's Famous Lily of the Valley Pips.
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McIntosh & Co., New York City
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In writing to Advertisers kindly mention Horticulture

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PAINT AND TWEENLOW'S OLD
ENGLISH PUTTY.

Hammond's Paint & Shot Works,
Racoon, N. Y.
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PEONIES

Peonies. The world's greatest collection.
1200 sorts. Send for list. C. BETSCHER,
Canal Dover, O.

PECKY CYPRESS BENCHES

A. T. Stearns Lumber Co., Boston, Mass.
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Seale's Tieless Plant Stakes and Trellises. H. D. SEELE & SONS, Elkhart, Ind.

PLANT TUBS

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"Riverton Special."
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THE CONARD & JONES COMPANY,
Rose Specialists
West Grove, Pa. Send for offers.

SEASONABLE PLANT STOCK

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SEEDS

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Seeds with a Pedigree.
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SKINNER IRRIGATION SYSTEM

Geo. N. Barrie, Brookline, Mass.
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SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and
orchid baskets always on hand. LAGER
& HURRELL, Summit, N. J.

Sphagnum Moss—Clean, dry, 85c. per
5-bbl. bale; 10 bales, \$8.00. Cash, please.
GEORGE THOREN, Mayetta, N. J.

STOVE PLANTS

Orchids—Largest stock in the country—
Stove plants and Crotons, finest collection.
JULIUS ROEHRS CO., Rutherford, N. J.

SWEET PEA SEED

Ant. C. Zvolanek, Lompoc, Calif.
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VEGETABLE PLANTS

R. Vincent, Jr. & Sons Co., White Marsh, Md.
Cabbage and Tomato Plants.
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Celery Plants: Golden Self-Blanching
(French strain), fine plants, ready now,
\$2.00 per 1000. Cash. Special prices on
large lots. BRILL CELERY GARDENS,
Kalamazoo, Mich.

VEGETABLE PLANTS—Continued
CELERY! CELERY!! CELERY!!!
 Golden Self-Blanching, true French strain, parcel post, \$2.10 per 1000. White Plume, \$1.35 per 1000. Cash, please. Cabbage, Cauliflower Plants and Tomatoes. Also Asters, mixed or separate colors. Get our prices. **LESTER'S PLANT FARM**, Plainville, Conn.

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Vinca Variegata from 4-inch pots, \$10 per 100. **WM. CAPSTICK**, Auburndale, Mass.

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Pino-Lyptol Chemical Co., New York City.
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The S. S. Pennock-Meehan Co., 1216 H St., N. W.
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THE NUT-GROWER

The unique monthly publication which furnishes reliable and interesting up-to-date information regarding the value of pecans and other edible nuts and how to grow them for profit.

Subscription, \$1.00 per year

Sample Copy Free

THE NUT-GROWER
WAYCROSS, GA.

New Offers In This Issue

CHOICE VARIETIES PEA AND BEAN SEEDS

John H. Allan Seed Co., Sheboygan, Wis.
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CYPRESS GREENHOUSE MATERIAL

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GOLD MEDAL OF HONOR WINTER ORCHID SWEET PEAS

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WINTER FLOWERING ROSES

F. R. Pierson Co., Tarrytown, N. Y.
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WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as as words. Cash with order. All correspondence addressed "Care HORTICULTURE" should be sent to 147 Summer St., Boston.

SITUATIONS WANTED

SITUATION WANTED—On private estate or commercial. Experienced in carnations, roses, orchids, cyclamen, etc. Also fruit growing under glass. Position as foreman wanted. Have good references, with European experience. "H. W." care of HORTICULTURE.

SITUATION WANTED by Englishman as Head Gardener on Gentleman's Private Estate; life's experience in all branches, both inside and out; good references. J., care HORTICULTURE.

FOR SALE

FOUR GREENHOUSES

For Sale, with 3 acres of land; 9 miles from Boston on main thoroughfare; near trains; electric pass. 12,000 ft. glass, 16 x 24. Steam heat. Possession given Aug 1. Price \$5,000, one-half cash, balance on mortgage 5 per cent. interest. Address "M. H." care HORTICULTURE.

FOR SALE

Six modern greenhouses, 20x90, 20,000 feet of glass, complete stock of plants, ferns, mums and large stock of Kentias, 200 new hotbed sash, No. 10 Kroeschell boiler, 8-room, up-to-date residence, 9 lots, 25x150 feet. Excellent wholesale and retail business. Established 30 years. Will divide. Good residential district. For particulars, see or write **W. L. PALINSKY**, 2865 Palmer St., Chicago, Ill.

FOR SALE—Floral and landscape gardening business on Massachusetts' South Shore; catering to high-class summer population of 5,000. Greenhouses comprising over 15,000 sq. ft. of glass, 2 acres land, large modern house, two minutes from station. \$5,000 cash, balance easy terms. Good chance for live man to extend business. Established 20 years. Apply **SCITUATE GREENHOUSES**, Scituate, Mass.

FOR SALE—Fresh from factory, new; 10 x 12, 16 x 18, 16 x 24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money. **PAR-SHELSKY BROS., INC.**, 215-217 Have meyer St., Brooklyn, N. Y.

In writing to Advertisers kindly mention Horticulture

TRADE

SKINNER
SYSTEM

OF IRRIGATION.

MARK.

**for Farm, Garden,
Lawn and Greenhouse**

Ask for Information

GEO. N. BARRIE
BROOKLINE, - - - MASS.

PINO-LYPTOL

THE VERY NEWEST AND QUICKEST METHOD OF DESTROYING WEEDS, GRASS AND OTHER GROWTH IN GARDEN WALKS, GUTTERS, TENNIS COURTS, DRIVEWAYS, ETC.

This fluid absolutely destroys all weeds and other growth wherever applied, and its effect on the ground prevents the growth of fresh ones for a year and thus saves a great deal of time and labor, as no cutting, hoeing or hauling away of the weeds is required.

We manufacture the strongest line of DISINFECTANTS on the market.

PINO-LYPTOL CHEMICAL CO.

455-457 West 26th Street, NEW YORK CITY

CORRESPONDENCE SOLICITED

LEMON OIL CO.'S STANDARD INSECTICIDE

Guaranteed under the Insecticide Act, 1910. Series No. 321

Save your plants and trees. Just the thing for Greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrip, Red Spider, Black and Green Fly, Mites, Ants, Insects on Rose-bushes, Carnations, etc., without injury to plants and without odor. Used according to directions our standard Insecticide will prevent ravages on your crops by insects.

Non-poisonous and harmless to user and plants. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pests. Excellent as a wash for dogs and other animals. Relieves mange.

Effective where others fail.

½ Pint.25c; Pint.40c; Quart.75c
½ Gal.\$1.25; Gal.\$2.00; 5 Gal. Can. \$9
10 Gal. Can. \$17.50

Dilute with water 30 to 50 parts.

For Sale by Seedsmen and Florists' Supply Houses
If you cannot obtain this from your supply house write us direct.

LEMON OIL COMPANY, Dept. K

420 W. Lexington St., Baltimore, Md.

Directions on every package

Use Hammond's Slug Shot



"Sold by Seed Dealers of America"

If you have never used Slug Shot go to your nearest seed store and say: "Give me a barrel, a keg, 25 lbs., 10 lbs., 5 lbs., or a 1 lb. carton," as the case may be of Slug Shot. After you have tried Slug Shot you will find nothing else to be its superior because you know from experience that Slug Shot is reliable in everything that goes to make a useful Insecticide for garden use. Send for pamphlet.

Hammond's Slug Shot Works

BEACON, N. Y.

When writing to advertisers kindly mention HORTICULTURE.



Unequalled for Greenhouse and Landscape Fertilizing

THE PULVERIZED MANURE CO.

31 Union Stock Yards, Chicago

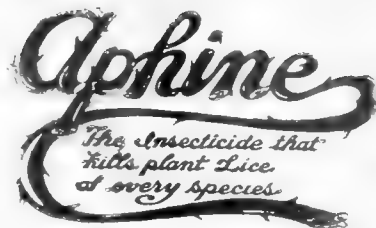


NIKOTEEN For Spraying

APHIS PUNK For Fumigating

ASK YOUR DEALER FOR IT.

NICOTINE MFG. CO. ST. LOUIS, MO.



The Recognized Standard Insecticide.

A spray remedy for green, black, white fly, red spider, thrips, mealy bug and soft scale.
Quart, \$1.00; Gallon, \$2.50.

FUNCINE

An infallible spray remedy for rose mildew, carnation and chrysanthemum rust.
Quart, 75c; Gallon, \$2.00.

VERMINE

A soil sterilizer for cut, eel, wire and angle worms.

Quart, \$1.00; Gallon, \$3.00.

SCALINE

A scaleicide and fungicide combined for San Jose and various scale on trees and hardy stock, and various blights which affect them.

Quart, 75c; Gallon, \$1.50.

NIKOTIANA

A 12% nicotine solution properly diluted for fumigating or vaporizing.

Quart, \$1.50; Gallon, \$4.50.

If you cannot obtain our products from your local dealer, send us your order and we will ship immediately through our nearest agent.

Aphine Manufacturing Co.

MADISON, N. J.

GEO. A. BURNISTON

President

M. C. EBEL

Treasurer

SCOTCH SOOT

Where there is a house that is just full of buds almost ready to show color, nothing will turn better color into the flowers than a little soot, that can be scattered over the benches before watering. The amount applied should not be excessive, as the soot is very strong and may damage some of the foliage somewhat. Apply just enough to blacken the surface of the soil in the benches, and let it go at that. Better a little oftener than too much all at once.

We offer the genuine in original cwt.

Sacks, at:

\$4.00 per 112 lbs.; \$17.50 per 560 lbs.

Stumpp & Walter Co.

30-32 Barclay Street, NEW YORK

Cocoanut Fibre Soil

Does not stop the use of Humus. All seedsmen keep it in stock. It is the last word in Fertilizing Humus. Send for Prices.

20th CENTURY PLANT FOOD CO.

27 & 29 OCEAN ST.,

BEVERLY, MASS.

NEW GIPSY MOTH QUARANTINE REGULATIONS.

Christmas Trees and Christmas Greens
May Now Be Shipped After
Inspection.

New regulations for the quarantine on account of the gipsy moth and the brown-tail moth in New England become effective July 1, and copies of the new quarantine, known as No. 22, may now be obtained from the Department of Agriculture. The new regulations extend somewhat the territory quarantined for gipsy moth, but do not affect that quarantined for the brown-tail moth. On the other hand, in the territory quarantined for gipsy moth Christmas trees and Christmas greens may now be shipped out after they have been inspected by department agents and found free from egg-masses of this insect. Hitherto, movement of these products in interstate commerce was not allowed under any circumstances from the infested area. Other provisions of the quarantine remain in general much the same.

Stone and quarry products must be inspected for egg clusters as well as such forest products as logs, poles, etc.

Hillsboro, Ill.—J. A. Wilbe has sold his greenhouses to Benj. B. Pohlmann, of Rockford.

Est. 1765

FOR "POT LUCK" USE

Inc. 1904

Pot Makers for a
Century and a Half**HEWS STANDARD POTS**World's Largest
ManufacturersWrite for Catalogue
and Discounts**A. H. HEWS & CO., Inc., Cambridge, Mass.**Warehouses:
CAMBRIDGE, MASS.
NEW YORK, N. Y.**GREENHOUSES BUILDING OR CON-
TEMPLATED.**Bexley, O. Frank Capuano, one
house.Ware, Mass. Chas. H. Walker, one
house.Jackson, O. Nellie M. Dungan, one
house.Gibsonburg, O.—W. H. Schwan, one
house.Stanton, Mich. L. E. Brown, one
house.Alton, Ill.—Alton Floral Co., one
house.Erie, Ill.—Erie Greenhouses, house
18x75.Kansas City, Mo.—Swope Park, two
houses.Silver Creek, N. Y.—C. Borgstrom,
one house.Booneville, Miss.—Booneville Floral
Co., additions.Watseka, Ill.—Henry & Peters,
range of houses.Easton, Pa.—S. M. Merwerth, sweet
pea house, 50x100.Nutley, N. J.—W. L. Jones, 168 Pas-
saic avenue, one house.Ottawa, Can.—Davis-Steiner Co.,
vegetable house 76x900.Rye, N. Y.—Wm. Courtenay, Lord &
Burnham conservatory.Coudersport, Pa.—C. E. Clark, Lord
& Burnham house, 28x100.Lawrence, Mass.—A. H. Wagland,
Broadway, range of houses.Plaistow, N. H.—Carl R. Lloyd,
Sweet Hill road, one house.Philadelphia, Pa.—J. L. Lomerson,
Washington street, two houses.Lawrenceburg, Ill.—J. R. Guinea,
1525 Porter avenue, one house.Duffield, Conn.—George M. Hendee,
Lord & Burnham conservatory.Woburn, Mass.—George Foster, 26
Cummings street, house 35x200.Oelwein, Pa.—I. O. Kemble, South
Frederick street, range of houses.St. Matthews, Ky.—E. G. Reimers,
Son & Co., carnation house 30x100.Williamsport, Pa.—Williamsport Flo-
ral Co., Herdic street, range of houses.Philadelphia, Pa.—Thomas Tausy,
5701 North Rising Sun avenue, house
31x301.West Orange, N. J.—Richard M. Col-
gate, Llewellyn Park, range of houses,
by Hitchings & Co.St. Louis, Mo.—Missouri Botanical
Garden, range of plant houses; Lord &
Burnham contract, \$50,000.New York City—Henry Hession,
Madison avenue and 77th street., re-
tail store conservatory and greenhouse
in rear; Lord & Burnham Co.**HAMMOND'S GREENHOUSE WHITE PAINT
and Twemlow's Old English Glazing Putty**RODMAN M. EISENHART, Florist, Torresdale, Pa.
Violets a Specialty. Telephone Connection.

Philadelphia, Pa., May 1st, 1915.
Mr. Hammond's Paint Works:
I have been using your Paint
(GREENHOUSE WHITE) and
TWEMLOW'S GLAZING PUTTY for
the last fifteen years, and both have
given me entire satisfaction, especi-
ally the Glazing Putty, which when
properly put on, makes a house rain-
proof and almost air-tight.
Respectfully yours,
R. M. EISENHART.

**HAMMOND'S PAINT & SLUG SHOT WORKS
BEACON, N. Y.****DREER'S "Riverton Special" Plant Tub**

No.	Diam.	Each	Doz.	100
10	20 in.	\$1.45	\$16.00	\$130.00
20	18 in.	1.30	14.00	115.00
30	16 in.	1.00	11.25	92.00
40	14 in.	.65	7.00	56.00
50	12 in.	.45	5.00	40.00
60	10 in.	.38	4.00	32.00
70	8 in.	.30	3.50	28.00

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1500	2 1/4 "	" 5.25	320	5 "	" 4.51
1500	2 1/2 "	" 6.00	210	5 1/2 "	" 3.78
1000	3 "	" 5.00	144	6 "	" 3.16
800	3 1/2 "	" 5.80	120	7 "	" 4.20
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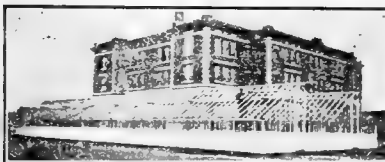
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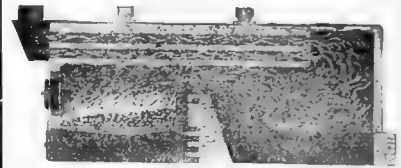
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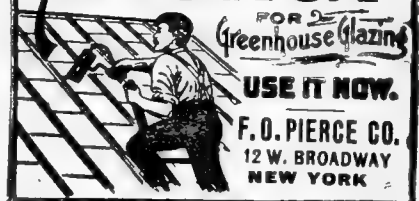
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"Just As Good!"

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He Won't Know What He Is Talking About

YESTERDAY when I was riding in the street car, these words in an advertisement caught my eye. At once it popped into my mind that they exactly fitted some one who always *buys on price alone*, and are always telling you that what they buy is just as good.

But you and I know different. Take the question of commercial houses for example. It's a well understood fact that the leading greenhouse manufacturers make mighty little on such building.

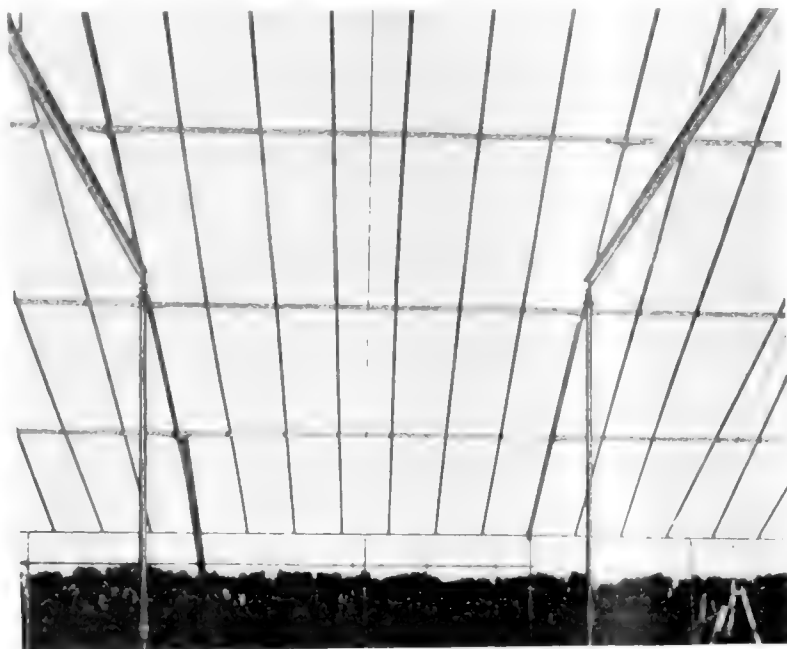
The margin of profit is so small in fact, that if one of our competitors quotes you a much lower price; it's pretty safe to infer that the corners are going to be cut somewhere.

When a man claims that such a house is "just as good," won't it after this make you think of the parrot?

Sit down a minute while I tell you a secret. We do not claim to make a house "just as good" as anybody's. But we do build a house that nobody has yet built "as good." That house is our Reconstructed Construction. If you want us to prove to you its superior goodness—we are prepared to do exactly that thing. We are looking for just such a chance. Shall we come and see you; or would you prefer to come and see us? You know "we go anywhere for business."

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We are prepared to supply our customers with Pecky Cypress material for benches, cut to fit so that it can be quickly erected, or can furnish the lumber just as it comes from the mills.



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